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 DWIGHT H. GREEN, *Governor*  
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 FRANK G. THOMPSON, *Director*  
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 M. M. LEIGHTON, *Chief*  
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## Oil and Gas Development in Illinois in 1946

BY ALFRED H. BELL\* AND VIRGINIA KLINE\*

IN 1946, Illinois produced 75,297,000 bbl of oil, or 4.3 pct of the total for the United States, and ranked sixth in the nation in oil production for the fourth consecutive year. Production showed a slight increase over 1945, when the total Illinois production was 75,094,000 bbl. This is the first year since peak production was reached in 1940 in which production has not shown a decrease from the previous year. Daily averages by months were as follows:

MONTH	BAR-RELS	MONTH	BAR-RELS
Jan.....	206,000	July.....	208,000
Feb.....	210,000	Aug.....	201,000
Mar.....	208,000	Sept.....	207,000
Apr.....	208,000	Oct.....	211,000
May.....	212,000	Nov.....	200,000
June.....	207,000	Dec.....	197,000

During the year, 2362 wells were drilled for oil or gas as compared with 1763 in 1945, an increase of about 34 pct. Of the 2362 wells drilled, 1364 were oil wells, 6 were gas wells, and 1002 were dry holes. Producing wells made up 58 pct of the wells completed, a slight decrease from 61 pct producing wells in 1944 and 1945. This decrease may be accounted for, in part, by an increase in wildcat drilling during 1946.

Although some of the increase in drilling in 1946 may be attributed to the dropping of wartime restrictions and to increased supplies of drilling materials, probably the most important factors were the expiration of many 10-year leases and the development of the Mattoon pool, in which about 350 wells were drilled during the year.

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\* Geologist and Associate Geologist, respectively, Oil and Gas Division, Illinois State Geological Survey, Urbana, Illinois.

Data on production and drilling by fields are given in Table 1, on annual production and drilling for Illinois in Table 3, and on drilling in 1946 by counties in Table 5.

### DISCOVERIES

Thirty oil fields and 1 gas field (Table 2A), 58 extensions to fields (Table 2B), and 33 new producing zones in fields (Table 2C) were discovered in 22 counties in Illinois in 1946. Of the 31 new fields, one was abandoned during the year. The new fields with the largest number of producing wells at the end of 1946 were Stanford South with 15 wells, Friendsville North and Hoosier with 10 wells each, and Covington East with 8. Browns East, discovered late in 1946, was being most actively developed at the end of the year. In all, 93 wells were producing in the new fields at the end of 1946, as compared with 97 wells producing at the end of 1945 from the 26 new fields discovered during that year.

The average initial production of the discovery wells of new fields decreased from 110 bbl of oil and 25 bbl of salt water for 1945 to 94 bbl of oil and 11 bbl of salt water for 1946. Largest initial production of a discovery well for the year was 900 bbl in the Lancaster Central pool.

In fields discovered since 1936, the total number of wells producing at the end of 1946 was 14,317.

### EXPLORATORY DRILLING

Of the total number of wells drilled during 1946, wildcats accounted for 633, or 27 pct (Table 4). Of this number 89, or

14 pct, were successful in obtaining production, a slight increase in number from the 1945 total of 73, but a decrease in percentage of successful completions from 1945 (16 pct).

Tonti pool in Marion County was deepened to the Trenton and plugged back to Devonian production after failing to find oil in the Trenton.

A selected list of dry wildcat wells for

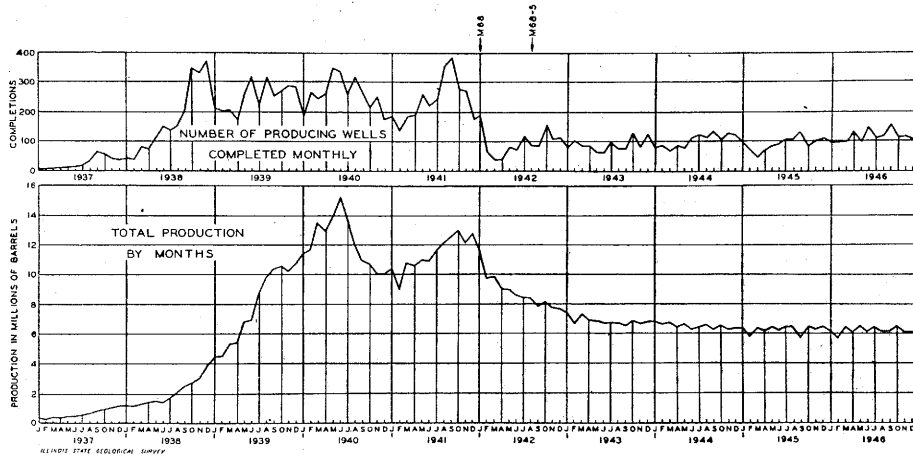


FIG 1—NUMBER OF PRODUCING WELLS AND OIL PRODUCTION IN ILLINOIS, 1937 TO 1946.

Of the 633 wildcat wells, 314 were drilled less than two miles from production; of these 58, or 18.5 pct, were successful. Of the 319 wildcat wells drilled more than two miles from production, 31, or about 10 pct were successful. Corresponding figures for 1945 were 228 wells drilled less than two miles from production with 47, or 21 pct successful, and 232 more than two miles from production with 26, or 11 pct successful.

In existing pools, 50 wells were drilled to test deeper pays. Of this number, 10 wells, or 20 pct opened new pays.

No pre-Mississippian oil pool was discovered in 1946. The second well completed in the Waverly pool in Morgan County is a Devonian gas producer which tested dry in the Trenton and was plugged back. The discovery well is a Pennsylvanian gas well. Dry Devonian tests were drilled in four Mississippian pools: Mattoon in Coles County, Lillyville in Cumberland County, Rural Hill in Hamilton County, and Boyd in Jefferson County. A Devonian well in the

1946, which includes Devonian and Trenton tests in shallower pools, is given in Table 2D.

The total footage of wildcat wells drilled in 1946 was 1,536,462 ft, of which 199,051 ft, or 17 pct, were drilled in successful wells.

Geophysical exploration during the year included use of seismograph, gravimeter, magnetometer, and electrical resistivity instruments, in contrast to 1945 when only seismograph work was reported. The number of geophysical parties operating throughout the year, by months and methods, is in Table 6.

#### DEVELOPMENT

Wells were drilled in 47 counties in Illinois in 1946, or in five more than in 1945. Ninety-two pct of the wells were concentrated in only 17 counties, or in only about 36 pct of the total number of counties in which there was drilling. Of the 1370 successful wells drilled, 1024, or nearly 75 pct, were concentrated in the

following six counties, arranged in order according to number of producing wells: Coles, White, Wayne, Wabash, Clay, and Richland. All but one of the producing

wells completed in Coles County were in the Mattoon pool. Wabash ranked first in number of new pools, with six discovered during the year. New fields with

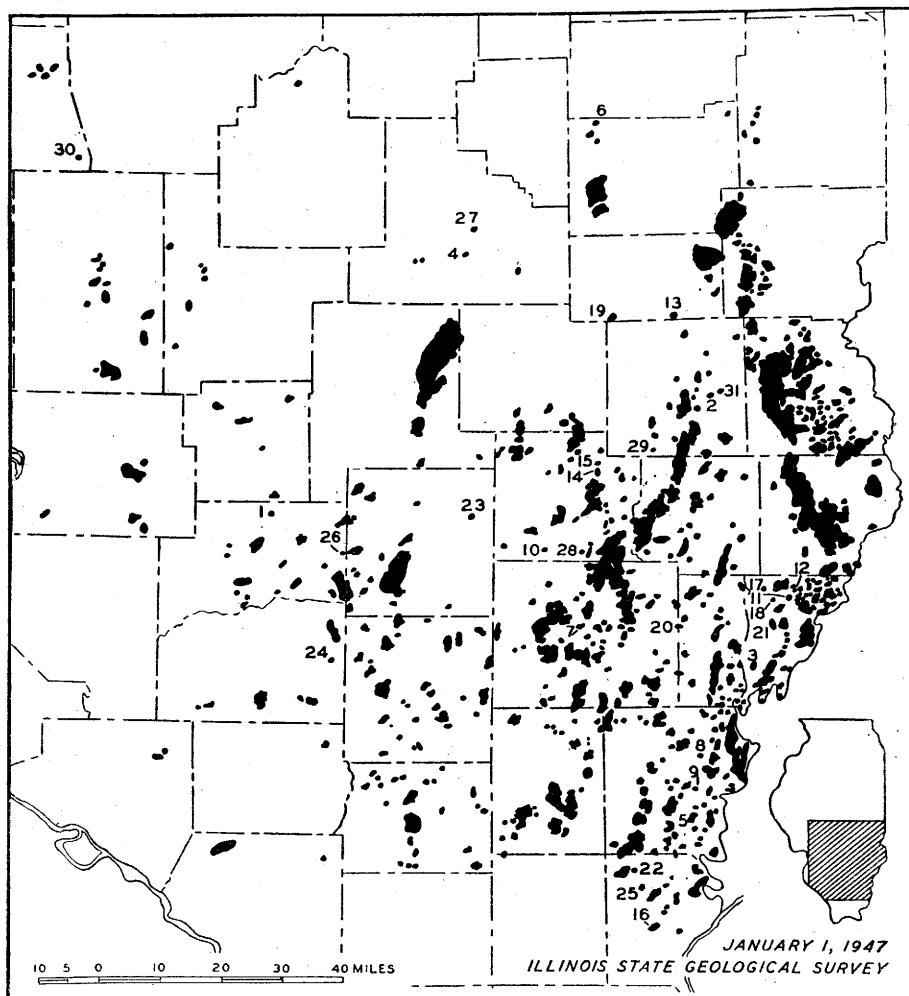


FIG 2—OIL AND GAS FIELDS OF ILLINOIS. NUMBERS INDICATE 1946 DISCOVERIES.

- |                           |                         |                       |
|---------------------------|-------------------------|-----------------------|
| 1. Beaver Creek South.    | 12. Friendsville North. | 22. Omaha East.       |
| 2. Boos East.             | 13. Hidalgo North.      | 23. Omega.            |
| 3. Browns East.           | 14. Hoosier.            | 24. Richview.         |
| 4. Clarksburg.            | 15. Hoosier North.      | 25. Ridgway.          |
| 5. Concord North.         | 16. Junction North.     | 26. Sandoval West.    |
| 6. Cooks Mills North.     | 17. Lancaster Central.  | 27. Shelbyville.      |
| 7. Covington East.        | 18. Lancaster South.    | 28. Stanford South.   |
| 8. Crossville.            | 19. Lillyville.         | 29. Wakefield.        |
| 9. Epworth East.          | 20. Massilon.           | 30. Waverly.          |
| 10. Flora South.          | 21. Maud North.         | 31. Willow Hill East. |
| 11. Friendsville Central. |                         |                       |

TABLE I—Oil and Gas Production in Illinois

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells <sup>f</sup>		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>b</sup>	Millions Cu Ft <sup>e</sup>		1946		
				To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
1	Warrenton-Borton, Edgar	1906	100	30,000	0	0	0	22	0	0	
2	Westfield, Clark, Coles	1904	9,075	x	x	x	x	1,631	0	13	
3			9,025	x	x	x	x	189	0	0	
4			9,000	x	x	x	x	1,449	0	13	
5			220	x	x	x	x	13	0	0	
6	Siggins; Cumberland, Clark	1906	3,685	x	317,000	x	x	1,021	22	4	
7			3,190	x	x	x	x	879	22	0	
8			450	x	x	x	x	90	0	1	
9			960	x	x	x	x	193	0	3	
10	York; Cumberland, Clark	1907 <sup>1</sup>	350	x	0	x	x	70	0	0	
11	Casey, Clark	1906	1,980	x	x	x	x	535	0	0	
12			205	x	x	x	x	41	0	0	
13			400	x	x	x	x	82	0	0	
14			1,540	x	x	x	x	322	0	0	
15	Martinsville, Clark	1907	865	x	x	x	x	219	0	0	
16			35	x	x	x	x	7	0	0	
17			310	x	x	x	x	64	0	0	
18			710	x	x	x	x	23	0	0	
19			600	x	x	x	x	35	0	0	
20			640	x	x	x	x	40	0	0	
21			10	x	x	x	x	2	0	0	
22	Johnson North, Clark	1907	1,440	x	x	x	x	487	2	1	
23			1,115	x	x	x	x	296	0	0	
24			160	x	x	x	x	32	0	0	
25			825	x	x	x	x	178	1	1	
26			215	x	x	x	x	44	0	0	
27			10	x	x	x	x	1	1	0	
28	Johnson South, Clark	1907	1,800	x	x	x	x	544	0	7	
29			190	x	x	x	x	38	0	0	
30			295	x	x	x	x	59	0	0	
31			1,710	x	x	x	x	411	0	0	
32			850	x	x	x	x	170	0	7	
33	Bellair, Crawford, Jasper	1907	1,305	x	x	x	x	486	0	8	
34			1,165	x	x	x	x	310	0	2	
35			315	x	x	x	x	65	0	5	
36			910	x	x	x	x	182	0	1	
37	Clark County Division <sup>4</sup>		20,500	55,427,000	734,000	x	x	4,993	24	33	
38	Main, Crawford	1906	35,650	x	x	x	x	7,328	3	129	
39			340	x	x	x	x	70	1	0	
40			34,305	x	x	x	x	7,144	1	124	
41			1,000	x	x	x	x	108	0	5	
42			30	x	x	x	x	2	1	0	
43	New Hebron, Crawford	1909	1,560	x	x	x	x	297	0	0	
44	Chapman, Crawford	1914	1,560	x	x	x	x	193	0	0	
45	Parker, Crawford	1907	1,340	x	x	x	x	256	0	0	
46	Allison-Weger, Crawford	x	1,100	x	x	x	x	149	0	0	
47	Flat Rock, Crawford	x	1,920	x	x	x	x	290	0	0	
48	Birds, Crawford, Lawrence	x	4,485	x	x	x	x	685	0	0	
49	Crawford County Division <sup>7</sup>		47,615	153,844,000	1,327,000	x	x	9,198	3	129	
50	Lawrence, Lawrence, Crawford	1906	26,100	x	x	x	x	4,462	22	210	
51			80	x	x	x	x	9	2	5	
52			5,050	x	x	x	x	1,233	0	20	
53			2,240	x	x	x	x	481	0	21	
54			1,440	x	x	x	x	243	0	0	
55			10	x	x	x	x	1	1	0	
56			16,180	x	x	x	x	3,017	0	41	

<sup>a</sup> Footnotes to column heads and explanation of symbols are given on page 49.<sup>1</sup> Abandoned 1945.<sup>4</sup> Total of lines 2, 6, 10, 11, 15, 22, 28, 33.<sup>5</sup> Includes Kibbie, Oblong, Robinson and Hardinsville.<sup>6</sup> Includes Swearingen gas.<sup>7</sup> Total of lines 38, 43, 44, 45, 46, 47, 48.

TABLE I—(Continued)

Line Number	Wells Producing <sup>2</sup> Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>3</sup>	Character of Oil <sup>4</sup>		Producing Formation					Deepest Zone Tested <sup>5</sup> to End of 1946		
	Oil <sup>2a</sup>			Initial	Avg/End 1946		Gravity API at 60°F <sup>3</sup>	Sulphur, Pct	Name and Age <sup>1</sup>	Character <sup>1</sup>	Porosity, Pct <sup>1</sup>	Depth to Top of Pro- ducing Zone, Fm <sup>1</sup>	Productive Thickness, Avg Ft., Net <sup>1</sup>	Structure <sup>6</sup>	Name	Depth of Hole, Ft
	Flowing	Artificial Lift	Gas													
1	0	0	0	x	x	W	x	x	Unnamed; Pen	S	P	159	x	ML	"Trenton"	2,212
2	0	277	0	x	x									D	"St. Peter"	3,009
3	0	x	0	x	x		30.0	x	Shallow Gas; Pen	S	P	281	40	D		
4	0	x	0	x	x		33.5	x	Westfield; MisL	L	Cav	334	x	DC		
5	0	x	0	x	x		38.2	0.18	"Trenton"; Ord	L	Cav	2,265	x	D		
6	0	845	0	x	x	W								D	Dev	2,010
7	0	x	0	x	x	W	34.0	x	First Siggins; Pen	S	P	367	x	D		
8	0	x	0	x	x		(33.6)	x	2nd and 3rd Siggins; Pen	S	P	478	x	D		
9	0	x	0	x	x		(25.7)	x	Lower Siggins; Pen	S	P	556	40	D		
10	0	0	0	x	x		(30.3)	x	York; Pen	S	P	588	x	AM	Pen	960
11	0	485	0	x	x									AM	MisL	808
12	0	x	0	x	x		(31.9)	x	Upper Gas; Pen	S	P	263	x	AM		
13	0	x	0	x	x		(30.1)	x	Lower Gas; Pen	S	P	309	x	AM		
14	0	x	0	x	x		(33.6)	x	Casey; Pen	S	P	444	40	AM		
15	0	113	0	x	x									D	St. Peter	3,411
16	0	x	0	x	x			x	Shallow; Pen	S	P	255	x	D		
17	0	x	0	x	x			x	Casey; Pen	S	P	500	x	D		
18	0	x	0	x	x			x	Martinsville; MisL	L	P	477	x	D		
19	0	x	0	x	x		(38.9)	x	Carper; MisL	L	P	1,340	x	D		
20	0	x	0	x	x			x	"Niagaran"; Dev	L	Cav	1,550	x	D		
21	0	x	0	x	x		(39.6)	x	"Trenton"; Ord	L	Cav	2,700	x	D		
22	0	433	0	x	x	G								AM	MisL	1,584
23	0	x	0	x	x			x	Claypool; Pen	S	P	416	x	AM		
24	0	x	0	x	x			x	Shallow; Pen	S	P	314	x	AM		
25	0	x	0	x	x	G		x	Casey; Pen	S	P	465	x	AM		
26	0	x	0	x	x			x	Upper Partlow; Pen	S	P	535	x	AM		
27	0	x	0	x	x			x	Carper; MisL	S	P	1,326	x	AM		
28	0	426	0	x	x	G								AM	Dev	2,030
29	0	x	0	x	x			x	Claypool; Pen	S	P	392	x	AM		
30	0	x	0	x	x	G		x	Casey; Pen	S	P	453	x	AM		
31	0	x	0	x	x			x	Upper Partlow; Pen	S	P	489	x	AM		
32	0	x	0	x	x		28.5	x	Lower Partlow; Pen	S	P	598	x	AM		
33	0	353	0	x	x									AM	MisL	1,471
34	0	x	0	x	x		(32.4)	x	"500 ft."; Pen	S	P	561	x	AM		
35	0	x	0	x	x			x	"800 ft."; Pen	S	P	817	x	AM		
36	0	x	0	x	x		(37.0)	x	"900 ft."; MisU	S	P	886	x	AM		
37	0	2,932	0	x	x										St. Peter	3,411
38	0	4,113	x	x	x	G									St. Peter	4,654
39	0	x	x	x	x			x	Shallow; Pen	S	P	508	x	ML		
40	0	x	x	x	x	G	32.8	x	Robinson; Pen	S	P	900	25	ML		
41	0	x	x	x	x			x	Oblong; MisL	SL	P	1,337	x	A, ML		
42	0	x	0	x	x			x	Devonian; Dev	L	P	2,794	11	ML		
43	0	142	0	x	x	G	30.1	x	Robinson; Pen	S	P	940	25	ML	Mis	2,056
44	0	60	0	x	x	G		x	Robinson; Pen	S	P	995	25	ML	Mis	2,279
45	0	199	0	x	x		29.5	x	Robinson; Pen	S	P	1,000	25	ML	Pen	1,227
46	0	54	0	x	x		22.5	x	Robinson; Pen	S	P	912	20	ML	Pen	1,041
47	0	112	0	x	x		31.8	x	Robinson; Pen	S	P	935	x	ML	Dev	3,110
48	0	338	0	x	x	G	31.8	x	Robinson; Pen	S	P	930	28	ML	MisL	1,731
49	0	5,018	x	x	x										St. Peter	4,654
50	0	2,578	x	x	x	G									St. Peter	5,190
51	0	x	0	x	x			x	Pennsylvanian; Pen	S	P	290	x	A		
52	0	x	0	x	x	G		x	Bridgeport; Pen	S	P	800	40	A		
53	0	x	0	x	x			x	Buchanan; Pen	S	P	1,250	15	A		
54	0	x	0	x	x			x	"Gas"; MisU	S	P	1,330	15	A		
55	0	x	0	x	x			x	Jackson; MisU	S	P	1,360	10	A		
56	0	x	0	600±	x			x	Kirkwood; MisU	S	P	1,400	30	A		

<sup>2</sup> Pressures in Southeastern Illinois oil fields are estimated bottom-hole pressures reported in previous Survey publications.

<sup>3</sup> Gravities given prior to 1936 (except those in parentheses) were from data for the year 1925 furnished by the Ohio Pipe Line Co. (formerly called the Illinois Pipe Line Co.). Gravities in parentheses are for particular samples (see Illinois State Geological Survey Bulletin 54, Table 3). The values have been converted from Baumé to API gravities.

<sup>5</sup> Discrepancies between numbers of original completions and present producing wells in various pays are due to reworking of wells.

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells <sup>f</sup>		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>b</sup>	Millions Cu Ft <sup>e</sup>		1946		
				To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
57			4,350	x	x				711	4	116
58			10	x	x				0	1	0
59			200	x	x				0	9	0
60			7,020	x	x				x	964	3
61									x	2	0
62	St. Francisville, Lawrence	x	420	x	x				x	55	0
63	Lawrence County Division <sup>9</sup>		26,520	237,105,000	1,865,000				x	4,517	22
64	Allendale, Wabash, Lawrence	1912	2,700	8,475,000	679,000				x	577	20
65			x	x	x				x	1	0
66			x	x	x				x	x	0
67			x	x	x				x	x	0
68			x	x	x				x	480	4
69			x	x	x				x	3	3
70			x	x	x				x	11	5
71			x	x	x				x	6	0
72			x	x	x				x	22	5
73			x	x	x				x	38	1
74			x	x	x				x	0	0
75			x	x	x				x	x	1
76			x	x	x				x	1	0
77	Total Southeastern Fields <sup>10</sup>		97,435	454,881,000	4,605,000				x	19,307	69
78	Ayers Gas, Bond	1922	0	0	0	325	267.5	16.0		21	0
79	Greenville Gas, Bond	1910 <sup>11</sup>	0	0	0	160	990.0	0		4	0
80	Bartelso, Clinton	1936	580	1,698,000	102,000					73	0
81			350	1,008,000	42,000					48	0
82			230	690,000	60,000					25	0
83	Carlyle, Clinton	1911	915	3,576,000	34,000					165	0
84	Frogtown, Clinton	1918 <sup>12</sup>	300	x	0					12	0
85	Ava-Campbell Hill, Jackson	1917 <sup>13</sup>	440	x	0					35	0
86	Colmar-Plymouth, McDonough, Hancock	1914	2,470	3,314,000	108,000					490	0
87	Carlinville, Macoupin	1909 <sup>14</sup>	80	x	1,000					8	0
88	Gillespie-Bend Gas, Macoupin	1923 <sup>15</sup>		0	0	80	135.8	0		4	0
89	Gillespie-Wyen, Macoupin	1915	45	x	1,500					23	0
90	Spanish Needle Creek Gas, Macoupin	1915 <sup>16</sup>		0	0	80	14.4	0		7	0
91	Stanton, Gas, Macoupin	1916 <sup>17</sup>		0	0	400	1,050.0	0		18	0
92	Collinsville, Madison	1909 <sup>18</sup>	40	850	0					6	0
93	Brown, Langewisch-Kuester, Junction City, Marion	1910	175	x	x					14	0
94			60	x	x					7	0
95			115	x	x					7	0
96	Sandoval, Marion	1909	780	5,325,000	89,000					151	0
97			770	2,705,000	2,000					123	0
98			390	2,620,000	87,000					28	0
99	Wamac, Marion, Clinton, Washington	1921	250	505,000	13,000					106	0
100	Litchfield, Montgomery	1879 <sup>19</sup>	100	23,500	500					18	0
101	Waterloo, Monroe	1920 <sup>20</sup>	230	232,000	4,000					41	0
102	Jacksonville Gas, Morgan	1910 <sup>21</sup>	1,320	2,000	0					x	0
103	Pittsfield Gas, Pike	1886 <sup>22</sup>		0	0	8,960	x	0		68	0
104	Sparta, Randolph	1888 <sup>23</sup>	165	x	0					20	0

<sup>9</sup> Total of lines 50 and 62.<sup>10</sup> Total of lines 1, 37, 49, 63, 64.<sup>11</sup> Abandoned 1923.<sup>12</sup> Abandoned 1933.<sup>13</sup> Abandoned 1934.<sup>14</sup> Abandoned 1925, revived 1942.<sup>15</sup> Abandoned 1935.<sup>16</sup> Abandoned 1934.<sup>17</sup> Abandoned 1919.<sup>18</sup> Abandoned 1921.<sup>19</sup> Abandoned 1904, revived 1942.<sup>20</sup> Abandoned 1930, revived 1939.<sup>21</sup> Abandoned 1937.<sup>22</sup> Gas not used until 1905, abandoned 1930.<sup>23</sup> Abandoned 1900.

TABLE I—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1946		Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>b</sup>	Character of Oil <sup>1</sup>		Producing Formation						Deepest Zone Tested <sup>3</sup> to End of 1946	
	Oil <sup>2a</sup>		Initial	Avg/End 1946		Gravity API at 60°F <sup>2</sup>	Sulphur, Pct	Name and Age <sup>1</sup>	Character <sup>2</sup>	Porosity, Pct	Depth to Top of Pro- ducing Zone, Ft <sup>3</sup>	Productive Thickness, Avg Ft., Net	Structure <sup>3</sup>	Name	Depth of Hole, Ft
	Flowing	Artificial Lift													
57	0	z	0	650±	s	s	Tracey; MisU	S	P	1,650	20	A			
58	0	z	0	s	s	s	Aux Vases; MisU	S	P	1,810	10	M			
59	0	z	0	s	s	s	Rosiclare; MisL	SL	P	1,850	z	MC			
60	0	z	0	s	s	s	McClosky; MisL	L	P	1,860	10	A			
61	0	z	0	s	s	s									
62	0	30	0	600	s	32.3	Bethel; MisU	S	P	1,843	22	ML	Mis St. Peter MisL	1,900 5,190 2,367	
63	0	2,608	0												
64	0	320	0		P										
65	0	z	0	s	s	s	Pennsylvanian; Pen	S	P	400	z	AM			
66	0	z	0	s	s	s	Bridgeport; Pen	S	P	1,069	12	AM			
67	0	z	0	s	s	s	Buchanan; Pen	S	P	1,290	15	AM			
68	0	155	0	s	P	35.1	Biehl; Pen	S	P	1,425	20	AM			
69	0	3	0	s	s	s	Jordan; Pen	S	P	1,490	10	AM			
70	0	4	0	s	s	s	Waltersburg; MisU	S	P	1,540	15	AL			
71	0	6	0	s	s	s	Tar Springs; MisU	S	P	1,600	20	AM			
72	0	19	0	s	s	s	Cypress; MisU	S	P	1,920	10	AM			
73	0	33	0	s	s	s	Bethel; MisU	S	P	2,010	10	AM			
74	0	z	0	s	s	s	Rosiclare; MisL	SL	P	2,230	5	AM			
75	0	z	0	900	s	s	McClosky; MisL	L	P	2,280	8	AM			
76	0	z	0	z	s	s									
77	0	10,878	z	z											
78	0	0	9	335	s	s	Bethel; MisU	S	P	940	5	A	"Trenton"	3,044	
79	0	0	0	z	s	s	Lindley (1st, 2nd); MisU	S	P	927	z	A	Dev	3,290	
80	0	55	0	z	s	s						D	St. Peter	4,212	
81	0	35	0	z	s	36.2	Carlyle; MisU	S	P	984	24	D			
82	0	20	0	z	s	41.5	Devonian; Dev	L	Cav	2,420	12	D			
83	0	26	0	z	s	35.2	Carlyle; MisU	S	P	1,035	20	A	St. Peter	4,120	
84	0	0	0	z	s	31.9	Carlyle; MisU	S	P	950	7	A	Cypress	962	
85	0	0	0	z	s	z	Cypress; MisU	S	P	780	13	A	Dev	2,530	
86	0	280	0	z	G	37.6	Hoing; Dev	S	P	450	21	AL	"Trenton"	805	
87	0	3	0	135	s	27.7	Unnamed; Pen	S	P	380	z	A	Pen	410	
88	0	0	0	155	s	z	Unnamed; Pen	S	P	542	z	A	Pen	575	
89	0	5	0	z	s	30.2	Unnamed; Pen	S	P	650	z	T	"Trenton"	2,560	
90	0	0	0	z	s	z	Unnamed; Pen	S	P	305	z	A	Pen	495	
91	0	0	0	145	s	z	Unnamed; Pen	S	P	461	z	A	"Trenton"	2,371	
92	0	0	0	z	s	z	Dev-Sil	L	Cav	1,305	20	ML	St. Peter	2,177	
93	0	7	0	z	s							D	Dev	3,344	
94	0	z	0	z	s	32.0	Dykstra, Wilson; Pen	S	P	610	20	D			
95	0	z	0	z	s	32.0	Cypress; MisU	S	P	1,658	15	D			
96	0	17	0	z	s							D	St. Peter	5,023	
97	0	7	0	z	s	34.5	Bethel; MisU	S	P	1,540	20	D			
98	0	10	0	z	s	38.0	Devonian; Dev	L	Cav	2,924	9	D			
99	0	18	0	z	s	30.2	Petro; Pen	S	P	720	20	D	MisL	1,760	
100	0	2	0	z	s	23.0	Unnamed; Pen	S	P	664	z	D	Pen	681	
101	0	5	0	z	s	30.2	"Trenton"; Ord	L	Cav	410	50	A	"Trenton"	845	
102	0	0	0	z	s	z	Gas; Pen; MisL	S,SL	P	330	5	ML	"Trenton"	1,390	
103	0	0	0	z	s	z	"Niagara"; Sil	L	P	265	10	A	St. Peter	893	
104	0	0	0	z	s	z	Cypress; MisU	S	P	850	7	D	MisU	985	

<sup>a</sup> Wells producing from more than one sand, see Table 7.

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>			
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl <sup>e</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946		
				To End of 1946	During 1946		To End of 1946	During 1946	Completed	Abandoned	
105	Dupo, <i>St. Clair</i> .....	1928	700	2,116,000	127,000						
106	Total of fields discovered prior to Jan. 1, 1937 <sup>24</sup>		106,025	470,818,000	5,187,000	10,005	2,457.7	16.0	20,945	71	391
107	Aden Consolidated, <i>Wayne, Hamilton</i> .....	1938	1,960	5,118,000	305,000				91	0	1
108			x	x	x				5	0	0
109			x	x	x				0	0	0
110			x	x	x				0	0	0
111			x	x	x				0	0	0
112			x	x	x				75	0	1
113	Aden South, <i>Hamilton</i> .....	1945	20	7,000	5,000				11	0	0
114			10	x	x				2	1	0
115			10	x	x				0	0	0
116			10	x	x				0	0	0
117			10	4,000	2,000				0	0	0
118	Akin, <i>Franklin</i> .....	1942	200	287,000	34,000				1	1	0
119			x	x	x				7	0	1
120			x	x	x				3	0	1
121			x	x	x				3	0	0
122			x	x	x				0	0	0
123	Albion Consolidated, <i>Edwards</i> .....	1940	2,600	5,693,000	881,000				1	0	0
124			x	x	x				213	8	5
125			x	x	x				3	2	0
126			x	x	x				15	0	0
127			x	x	x				0	4	1
128			x	x	x				0	0	0
129			x	x	x				25	1	2
130			x	x	x				0	0	0
131			x	x	x				3	0	0
132			x	x	x				3	0	0
133			x	x	x				1	0	0
134			x	x	x				20	0	0
135			x	x	x				2	0	0
136			x	x	x				2	0	2
137			x	x	x				68	1	0
138	Albion East, <i>Edwards</i> .....	1943	300	376,000	78,000				27	0	0
139			x	x	x				13	0	0
140			x	x	x				5	0	0
141			x	x	x				0	0	0
142			x	x	x				0	0	0
143			x	x	x				3	0	0
144			x	x	x				2	0	0
145			x	x	x				1	0	0
146	Alma, <i>Marion</i> .....	1941	60	58,000	4,000				2	0	0
147			x	x	x				4	0	0
148			x	x	x				2	0	0
149	Amity, <i>Richland</i> .....	1942	20	9,000	2,000				1	0	0
150	Barnhill, <i>Wayne</i> .....	1939	1,000	1,952,000	85,000				0	0	0
151			x	x	x				71	2	3
152			x	x	x				1	1	0
153			x	x	x				0	0	0
154			x	x	x				67	0	3
155			x	x	x				0	0	0
156	Bartelso South, <i>Clinton</i> .....	1942	80	15,000	2,000				3	1	0
157	Bartelso West, <i>Clinton</i> .....	1945	70	1,000	1,000				2	0	0
158	Beaver Creek, <i>Bond</i> .....	1942	140	57,000	14,000				4	3	1
159	Beaver Creek South, <i>Clinton</i> .....	1946	10	500	500				9	0	1
160	Belle Prairie, <i>Hamilton</i> .....	1940	160	244,000	43,000				0	1	0
161	Belle Rive, <i>Jefferson</i> .....	1943	100	188,000	31,000				5	0	0
162	Beman, <i>Lawrence</i> .....	1942	20	5,000	1,000				1	0	0
163	Bend, <i>White</i> .....	1941	10	20,000	1,000				1	0	0
164	Bennington, <i>Edwards, Wayne</i> .....	1943	720	991,000	218,000				38	0	0
165			x	x	x				3	0	0
166			x	x	x				0	0	0

<sup>24</sup> Total of lines 77 to 105 inclusive. Cumulative oil production total based on U.S. Bureau of Mines Monthly report.



TABLE 1—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1946		Reservoir Pressure, Psi <sup>2</sup>	Character of Oil <sup>1</sup>	Producing Formation							Deepest Zone Tested <sup>3</sup> to End of 1946				
	Oil <sup>2a</sup>				Secondary Recovery <sup>4</sup>	Name and Age <sup>7</sup>	Character <sup>8</sup>	Porosity, Pct	Depth to Top of Pro- ducing Zone, Fm <sup>9</sup>	Productive Thickness, Avg Ft., Net	Structure <sup>6</sup>	Name	Depth of Hole, Ft			
	Flowing	Artificial Lift												Gas	Initial	Avg/End 1946
105	0	90	0	z	z	z	32.7	0.70	"Trenton"; Ord	L	Cav	561	50	A	New Richmond	1,800
106	0	11,336	9	z	z	z	z	z	Aux Vases; MisU	S	P	3,175	15	AL	Dev	5,395
107	0	85	0	z	z	z	z	z	Lower O'Hara; MisL	OL	P	3,265	6	AC		
108	0	22	0	z	z	z	z	z	Rosiclare; MisL <sup>25</sup>	OL	P	3,300	8	AC		
109	0	1	0	z	z	z	z	z	McClosky; MisL	OL	P	3,350	8	A		
110	0	45	0	z	z	z	40.0	z	z	z	z	z	z	z		
111	0	17	0	z	z	z	z	z	z	z	z	z	z	z		
112	0	2	0	z	z	z	z	z	Aux Vases; MisU <sup>25</sup>	S	P	3,250	9	AL	MisL	3,430
113	0	1	0	z	z	z	z	z	Rosiclare; MisL <sup>25</sup>	L	P	3,335	7	AC		
114	0	1	0	z	z	z	z	z	McClosky; MisL	L	P	3,385	15	ML		
115	0	1	0	z	z	z	z	z	z	z	z	z	z	z		
116	0	1	0	z	z	z	z	z	z	z	z	z	z	z		
117	0	6	0	z	z	z	z	z	z	z	z	z	z	z		
118	0	2	0	z	z	z	z	z	z	z	z	z	z	z		
119	0	4	0	z	z	z	33.4	0.14	Cypress; MisU	S	P	2,840	10	ML	MisL	3,515
120	0	4	0	z	z	z	37.8	0.12	Aux Vases; MisU	S	P	3,120	15	AL		
121	0	0	0	z	z	z	z	z	McClosky; MisL <sup>25</sup>	L	P	3,226	9	ML		
122	0	207	0	z	z	W	z	z	z	z	z	z	z	z		
123	0	3	0	z	z	z	29.6	z	Mansfield; Pen	S	P	1,650	13	MF	Dev	5,185
124	0	15	0	550	z	W	34.0	z	Bridgeport; Pen	P	P	1,860	20	MF		
125	0	40	0	600	z	z	32.5	0.20	Bieh; Pen	P	P	1,995	15	MF		
126	0	600	0	z	z	z	z	z	Degonia; MisU <sup>25</sup>	P	P	2,125	8	MF		
127	0	22	0	400	z	z	34.0	z	Waltersburg; MisU	P	P	2,365	15	AL		
128	0	700	0	z	z	z	z	z	Tar Springs; MisU <sup>25</sup>	P	P	2,450	10	AL		
129	0	3	0	z	z	z	z	z	Hardinsburg; MisU	P	P	2,636	5	A		
130	0	8	0	900	z	z	38.0	z	Bethel; MisU	P	P	2,960	15	Af		
131	0	1	0	900	z	z	z	z	Renault; MisU	P	P	3,002	10	Af		
132	0	20	0	950	z	z	39.0	z	Aux Vases; MisU	P	P	3,045	20	Af		
133	0	3	0	z	z	z	z	z	Lower O'Hara; MisL	L	P	3,110	10	A		
134	0	1	0	z	z	z	z	z	Rosiclare; MisL	L	P	3,160	10	A		
135	0	54	0	900	z	z	40.0	0.18	McClosky; MisL	L	P	3,140	10	AC		
136	0	37	0	z	z	z	z	z	z	z	z	z	z	z		
137	0	13	0	z	z	z	z	z	z	z	z	z	z	z		
138	0	4	0	z	z	z	z	z	Cypress; MisU	S	P	2,790	15	A	MisL	3,244
139	0	3	0	z	z	z	z	z	Paint Creek; MisU <sup>25</sup>	P	P	2,910	10	A		
140	0	1	0	z	z	z	z	z	Bethel; MisU <sup>25</sup>	P	P	2,955	25	A		
141	0	3	0	z	z	z	z	z	Aux Vases; MisU	P	P	3,060	15	A		
142	0	1	0	z	z	z	39.4	0.14	Lower O'Hara; MisL	L	P	3,100	6	A		
143	0	2	0	z	z	z	z	z	McClosky; MisL	L	P	3,140	8	A		
144	0	3	0	z	z	z	z	z	z	z	z	z	z	z		
145	0	2	0	z	z	z	z	z	z	z	z	z	z	z		
146	0	1	0	z	z	z	z	z	Bethel; MisU	S	P	1,931	8	A	Dev	3,692
147	0	1	0	z	z	z	z	z	Rosiclare; MisL	S	P	2,084	10	A		
148	0	1	0	z	z	z	36.2	0.26	McClosky; MisL	OL	P	2,960	10	MC	MisL	3,090
149	0	33	0	z	z	z	z	z	z	z	z	z	z	z		
150	0	3	0	z	z	z	z	z	Aux Vases; MisU	S	P	3,225	15	AL	MisL	3,855
151	0	0	0	z	z	z	z	z	Rosiclare; MisL	OL	P	3,350	9	AC		
152	0	29	0	z	z	z	37.6	0.17	McClosky; MisL	OL	P	3,400	12	A		
153	0	0	0	z	z	z	z	z	Salem; MisL	L	P	3,795	8	AC		
154	0	1	0	z	z	z	z	z	z	z	z	z	z	z		
155	0	2	0	z	z	z	40.0	0.15	Devonian; Dev	L	Cav	2,465	8	A	Dev	2,652
156	0	4	0	z	z	z	z	z	Cypress; MisU	S	P	926	6	A	MisU	976
157	0	8	0	z	z	z	34.2	0.25	Bethel; MisU	S	P	1,180	8	A	Dev	2,526
158	0	1	0	z	z	z	z	z	Bethel; MisU	S	P	1,130	8	z	MisL	1,395
159	0	5	0	z	z	z	z	z	z	z	z	z	z	z		
160	0	5	0	z	z	z	37.0	0.12	McClosky; MisL	L	P	3,440	7	z	MisL	3,580
161	0	5	0	z	z	z	39.4	0.5	McClosky; MisL	L	P	3,085	7	AC	MisL	3,240
162	0	1	0	z	z	z	z	z	McClosky; MisL	L	P	1,841	2	MC	MisL	1,845
163	0	1	0	z	z	z	z	z	Tar Springs; MisU	S	P	2,357	8	z	MisL	3,109
164	0	38	0	z	z	z	z	z	z	z	z	z	z	z		
165	0	0	0	z	z	z	42.3	0.10	Aux Vases; MisU	S	P	3,150	20	ML	MisL	3,350
166	0	0	0	z	z	z	z	z	Lower O'Hara; MisL <sup>25</sup>	L	P	3,240	10	MC		

<sup>25</sup> Producing in combination wells only.

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells/		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946		
				To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
167			x	x	x		0	0	34	0	0
168			x	x	x		0	0	1	0	0
169	Bennington South, Edwards	1944 <sup>27</sup>	20	10,000	0		0	0	1	0	1
170	Benton, Franklin	1941	2,400	18,329,000	913,000		0	0	243	0	0
171			x	x	x		0	0	0	0	0
172			x	x	x		0	0	0	0	0
173			x	x	x		0	0	243	0	0
174	Benton North, Franklin	1941	220	374,000	52,000		0	0	16	0	0
175			x	x	x		0	0	1	0	0
176			x	x	x		0	0	5	0	0
177			x	x	x		0	0	1	0	0
178			x	x	x		0	0	2	0	0
179			x	x	x		0	0	2	0	0
180			x	x	x		0	0	2	0	0
181			x	x	x		0	0	0	0	0
182			x	x	x		0	0	3	0	0
183	Bessie, Franklin	1943	40	26,000	5,000		0	0	1	0	0
184	Bible Grove, Clay, Effingham	1942	3,500	5,348,000	1,502,000		0	0	100	16	1
185			x	x	x		0	0	145	15	1
186			x	x	x		0	0	5	0	0
187			x	x	x		0	0	31	1	0
188			x	x	x		0	0	9	0	0
189	Bible Grove East, Clay	1944	50	86,000	20,000		0	0	5	0	1
190	Bible Grove South, Clay	1942	20	43,000	8,000		0	0	1	0	0
191	Blairsville, Hamilton	1942	560	1,392,000	146,000		0	0	29	0	0
192			x	x	x		0	0	20	0	0
193			x	x	x		0	0	1	0	0
194			x	x	x		0	0	0	0	0
195			x	x	x		0	0	5	0	0
196			x	x	x		0	0	3	0	0
197	Bogota, Jasper	1943	200	330,000	46,000		0	0	7	0	0
198	Bogota South, Jasper	1944	20	11,000	2,000		0	0	1	0	0
199	Bone Gap, Edwards	1941	490	788,000	72,000		0	0	19	0	3
200	Bonpas, Richland	1941	40	99,000	12,000		0	0	2	0	0
201	Boos East, Jasper	1946	40	15,000	15,000		0	0	2	2	0
202			x	x	x		0	0			
203			x	x	x		0	0			
204			x	x	x		0	0	2	2	0
205	Boos North, Jasper	1940	1,610	3,163,000	437,000		0	0	91	11	13
206			x	x	x		0	0	9	5	1
207			x	x	x		0	0	80	5	12
208			x	x	x		0	0	2	1	0
209	Boulder, Clinton	1941	560	2,526,000	484,000		x	x	36	0	0
210			x	x	x		0	0	25	0	0
211			x	x	x		0	0	11	0	0
212	Boyd, Jefferson	1944	1,220	2,979,000	1,460,000		x	x	110	18	2
213			x	x	x		0	0	68	14	0
214			x	x	x		0	0	5	2	2
215			x	x	x		0	0			
216			x	x	x		0	0	37	2	0
217	Boyleston Consolidated, Wayne	1938	4,400	7,651,000	471,000		0	0	183	2	6
218			x	x	x		0	0	2	0	0
219			x	x	x		0	0	13	2	0
220			x	x	x		0	0	2	0	0
221			x	x	x		0	0	156	0	5
222			x	x	x		0	0	10	0	1
223	Browns, Edwards, Wabash	1943	460	466,000	116,000		0	0	20	2	1
224			x	x	x		0	0	4	0	1
225			x	x	x		0	0	2	2	0
226			x	x	x		0	0	8	0	0
227			x	x	x		0	0	8	0	0
228			x	x	x		0	0	5	5	0
229	Browns East, Wabash	1946	50	8,000	8,000		0	0	5	5	0

<sup>27</sup> Abandoned 1946.

TABLE I—(Continued)

Line Number	Wells Producing <sup>g</sup> Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>a</sup>	Character of Oil <sup>1</sup>		Producing Formation					Deepest Zone Tested <sup>d</sup> to End of 1946		
	Flowing	Oil <sup>2b</sup>		Initial	Avg/End 1946		Gravity API at 60°F <sub>3</sub>	Sulphur, Pct	Name and Age <sup>2</sup>	Character <sup>2</sup>	Porosity, Pct	Depth to Top of Producing Zone, Ft <sup>3</sup>	Productive Thickness, Avg Ft., <sup>3</sup> Net	Structure <sup>3</sup>	Name	Depth of Hole, Ft
		Artificial Lift	Gas													
167	0	37	0	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,215	10	MC		
168	0	1	0	z	z	z	z	z	McClosky; MisL	L	P	3,250	4	MC	MisL	3,419
169	0	0	0	z	z	z	z	z	McClosky; MisL	L	P	3,250	4	MC	MisL	3,205
170	0	235	0	z	z	z	z	z	McClosky; MisL	L	P	3,250	4	MC		
171	0	0	0	z	z	z	z	z	Kinkaid; MisU <sup>25</sup>	L	P	1,700	9	A		
172	0	1	0	z	z	z	z	z	Degonia; MisU	L	P	1,740	10	A		
173	0	234	0	z	z	z	z	z	Tar Springs; MisU	L	P	2,100	34	A		
174	0	15	0	z	z	z	z	z	Tar Springs; MisU	L	P	2,100	34	A	MisL	2,963
175	0	0	0	z	z	z	z	z	Cypress; MisU	S	P	2,440	10	A		
176	0	6	0	z	z	z	z	z	Paint Creek; MisU	S	P	2,595	10	A		
177	0	0	0	z	z	z	z	z	Bethel; MisU	S	P	2,805	10	A		
178	0	2	0	z	z	z	z	z	Aux Vases; MisU	S	P	2,895	10	A		
179	0	2	0	z	z	z	z	z	Aux Vases; MisU	S	P	2,895	10	A		
180	0	1	0	z	z	z	z	z	Lower O'Hara; MisL	L	P	2,720	8	AL		
181	0	1	0	z	z	z	z	z	Rosciare; MisL	L	P	2,780	7	AC		
182	0	3	0	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	2,785	5	AL		
183	0	1	0	z	z	z	z	z	Lower O'Hara; MisL	L	P	2,894	11	z	MisL	3,460
184	0	184	0	z	z	z	z	z	Lower O'Hara; MisL	L	P	2,894	11	z	MisL	3,010
185	0	140	0	z	z	z	z	z	Cypress; MisU	S	P	2,490	15	A		
186	0	5	0	z	z	z	z	z	Rosciare; MisL	L	P	2,840	10	A		
187	0	30	0	z	z	z	z	z	McClosky; MisL	L	P	2,810	6	A		
188	0	9	0	z	z	z	z	z	McClosky; MisL	L	P	2,810	6	A		
189	0	4	0	z	z	z	z	z	Cypress; MisU	S	P	2,510	10	A	MisL	2,993
190	0	1	0	z	z	z	z	z	Aux Vases; MisU	S	P	2,750	10	ML	MisL	2,946
191	0	28	0	z	z	z	z	z	Aux Vases; MisU	S	P	2,750	10	ML	MisL	3,530
192	0	18	0	z	z	z	z	z	Aux Vases; MisU	S	P	3,280	20	AL		
193	0	1	0	z	z	z	z	z	Lower O'Hara; MisL	L	P	3,340	7	AC		
194	0	0	0	z	z	z	z	z	Rosciare; MisL <sup>25</sup>	L	P	3,365	7	AC		
195	0	6	0	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,425	8	AC		
196	0	3	0	z	z	z	z	z	McClosky; MisL	L	P	3,110	10	A	MisL	3,234
197	0	7	0	z	z	z	z	z	McClosky; MisL	L	P	3,054	4	ML	MisL	3,185
198	0	1	0	z	z	z	z	z	McClosky; MisL	L	P	3,250	10	A	MisL	3,350
199	0	13	0	z	z	z	z	z	McClosky; MisL	L	P	3,250	10	A	MisL	3,212
200	0	2	0	z	z	z	z	z	McClosky; MisL	L	P	3,120	4	MC	MisL	2,750
201	0	2	0	z	z	z	z	z	McClosky; MisL	L	P	3,120	4	MC	MisL	2,750
202	0	2	0	z	z	z	z	z	Rosciare; MisL <sup>25</sup>	S	P	2,960	5	MC		
203	0	2	0	z	z	z	z	z	McClosky; MisL <sup>25</sup>	L	P	2,875	4	MC		
204	0	2	0	z	z	z	z	z	McClosky; MisL <sup>25</sup>	L	P	2,875	4	MC		
205	0	68	0	z	z	W	z	z	Rosciare; MisL	S	P	2,765	10	AC	MisL	2,950
206	0	9	0	z	z	z	z	z	Rosciare; MisL	S	P	2,765	10	AC		
207	0	55	0	z	z	W	z	z	McClosky; MisL <sup>s</sup>	L	P	2,300	9	A		
208	0	4	0	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	2,300	9	A		
209	0	31	z	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	2,300	9	A		
210	0	24	0	z	z	z	z	z	Bethel; MisU	S	P	1,190	20	A	Dev	2,672
211	0	7	z	z	z	z	z	z	Devonian; Dev	L	Cav	2,630	4	A		
212	0	107	0	z	z	W	z	z	Bethel; MisU	S	P	2,050	15	A	Dev	3,870
213	0	64	0	550+	z	z	z	z	Aux Vases; MisU	S	P	2,130	20	A		
214	0	2	0	615+	z	z	z	z	Aux Vases; MisU	S	P	2,130	20	A		
215	0	2	0	615+	z	z	z	z	Lower O'Hara; MisL <sup>25</sup>	L	P	2,235	10	A		
216	0	41	0	z	z	z	z	z	Lower O'Hara; MisL <sup>25</sup>	L	P	2,235	10	A		
217	0	142	0	z	z	z	z	z	Lower O'Hara; MisL <sup>25</sup>	L	P	2,235	10	A		
218	0	4	0	z	z	z	z	z	Aux Vases; MisU	S	P	3,095	7	AL	MisL	3,495
219	0	10	0	z	z	z	z	z	Lower O'Hara; MisL	L	P	3,180	4	AC		
220	0	1	0	z	z	z	z	z	Rosciare; MisL	L	P	3,215	6	AC		
221	0	118	0	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,240	7	AC		
222	0	9	0	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,240	7	AC		
223	0	16	0	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,240	7	AC		
224	0	4	0	z	z	z	z	z	Cypress; MisU	S	P	2,650	30	AL	MisL	3,187
225	0	1	0	z	z	z	z	z	Bethel; MisU	S	P	2,778	12	A		
226	0	1	0	z	z	z	z	z	Lower O'Hara; MisL	L	P	2,965	4	A		
227	0	5	0	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,007	9	A		
228	0	5	0	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,007	9	A		
229	0	5	0	z	z	z	z	z	Cypress; MisU	S	P	2,596	5	L	MisL	3,050

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>f</sup>		
			Total Production, Bbl <sup>e</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946		
			To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
			Area Proved, Acres <sup>b</sup>							
230	Browns South, <i>Edwards</i> .....	1943	30	12,000	2,000	0	0	3	0	0
231	Bungay Consolidated, <i>Hamilton</i> .....	1941	960	1,936,000	545,000	0	0	73	29	1
232	"	"	"	"	"	0	0	70	27	1
233	"	"	"	"	"	0	0	2	1	0
234	"	"	"	"	"	0	0	1	1	0
235	Burnt Prairie, <i>White</i> .....	1940	560	942,000	132,000	0	0	39	0	2
236	"	"	"	"	"	0	0	10	0	1
237	"	"	"	"	"	0	0	0	0	0
238	"	"	"	"	"	0	0	2	0	0
239	"	"	"	"	"	0	0	27	0	1
240	"	"	"	"	"	0	0	0	0	0
241	Calhoun Consolidated, <i>Richland, Wayne</i> .....	1944	1,400	1,548,000	992,000	0	0	80	50	1
242	"	"	"	"	"	0	0	24	5	0
243	"	"	"	"	"	0	0	44	36	1
244	"	"	"	"	"	0	0	12	9	0
245	Calhoun North, <i>Richland</i> .....	1944	40	21,000	7,000	0	0	2	0	1
246	"	"	"	"	"	0	0	0	0	0
247	"	"	"	"	"	0	0	1	0	1
248	"	"	"	"	"	0	0	1	0	0
249	Calvin North, <i>White</i> .....	1943	680	959,000	218,000	0	0	56	1	0
250	"	"	"	"	"	0	0	5	0	0
251	"	"	"	"	"	0	0	28	0	0
252	"	"	"	"	"	0	0	0	0	0
253	"	"	"	"	"	0	0	1	0	0
254	"	"	"	"	"	0	0	9	0	0
255	"	"	"	"	"	0	0	1	0	0
256	"	"	"	"	"	0	0	4	0	0
257	"	"	"	"	"	0	0	5	0	0
258	"	"	"	"	"	0	0	0	0	0
259	"	"	"	"	"	0	0	2	1	0
260	"	"	"	"	"	0	0	1	0	0
261	Carlinville North, <i>Macoupin</i> .....	1941	80	800	100	0	0	5	0	0
262	Carmi, <i>White</i> .....	1940	30	6,000	100	0	0	2	0	0
263	"	"	"	"	"	0	0	1	0	0
264	"	"	"	"	"	0	0	1	0	0
265	Carmi North, <i>White</i> .....	1942	30	99,000	15,000	0	0	3	0	0
266	"	"	"	"	"	0	0	0	0	0
267	"	"	"	"	"	0	0	3	0	0
268	"	"	"	"	"	0	0	0	0	0
269	Centerville, <i>White</i> .....	1940	80	268,000	25,000	0	0	5	0	0
270	Centerville East, <i>White</i> .....	1941	700	1,610,000	149,000	0	0	45	1	0
271	"	"	"	"	"	0	0	24	0	0
272	"	"	"	"	"	0	0	4	1	0
273	"	"	"	"	"	0	0	1	0	0
274	"	"	"	"	"	0	0	5	0	0
275	"	"	"	"	"	0	0	0	0	0
276	"	"	"	"	"	0	0	10	0	0
277	"	"	"	"	"	0	0	1	0	0
278	Centralia, <i>Clinton, Marion</i> .....	1937	2,850	29,502,000	1,868,000	0	0	927	16	20
279	"	"	"	"	"	0	0	41	15	5
280	"	"	"	"	"	0	0	565	1	7
281	"	"	"	"	"	0	0	0	0	0
282	"	"	"	17,611,000	978,000	0	0	319	0	8
283	"	"	"	33,000	0	0	0	2	0	0
284	"	"	"	"	"	0	0	0	0	0
285	Centralia West, <i>Clinton</i> .....	1940	90	285,000	31,000	0	0	9	0	0
286	Cisne, <i>Wayne</i> .....	1937	1,130	3,289,000	259,000	0	0	60	7	1
287	"	"	"	"	"	0	0	1	0	0
288	"	"	"	"	"	0	0	2	1	0
289	"	"	"	"	"	0	0	55	5	1
290	"	"	"	"	"	0	0	2	1	0
291	Cisne North, <i>Wayne</i> .....	1942	80	13,000	2,000	0	0	2	0	0
292	Clarksburg, <i>Shelby</i> .....	1946	10	1,000	1,000	0	0	1	1	0
293	Clay City Consolidated, <i>Clay, Wayne</i> .....	1937	24,430	46,085,000	5,147,000	0	0	1,172	132	33

TABLE 1—(Continued)

Line Number	Wells Producing Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>	Secondary Recovery <sup>a</sup>	Character of Oil <sup>b</sup>	Producing Formation					Deepest Zone Tested to End of 1946						
	Oil <sup>2c</sup>		Gas				Initial	Avg/End 1946	Gravity API at 60°F <sup>d</sup>	Sulphur, Pct	Name and Age <sup>e</sup>	Character <sup>f</sup>	Porosity, Pct	Depth to Top of Producing Zone, Ft <sup>g</sup>	Productive Thickness, Avg Ft., Net	Structure <sup>h</sup>	Name	Depth of Hole, Ft
	Flowing	Artificial Lift																
230	0	1	0	z	z	z	z	Bethel; MisU	S	P	2,840	15	L	MisL	3,144			
231	0	71	0	z	z	z	z							MisL	3,541			
232	0	70	0	z	z	36.8	0.24	Aux Vases; MisU	S	P	3,290	15	AL					
233	0	1	0	z	z	36.8	0.24	McClosky; MisL	L	P	3,430	8	AC					
234	0	0	0	z	z	z	z							MisL	3,532			
235	0	31	0	z	z	z	z	Aux Vases; MisU	S	P	3,260	18	AL					
236	0	7	0	z	z	z	z	Lower O'Hara; MisL	OL	P	3,360	5	AC					
237	0	2	0	z	z	39.0	z	Rosiclare; MisL	OL	P	3,339	8	AC					
238	0	0	0	z	z	z	z	McClosky; MisL	OL	P	3,400	10	AC					
239	0	18	0	z	z	37.0	0.28							MisL	3,290			
240	0	4	0	z	z	z	z	Lower O'Hara; MisL	OL	P	3,140	9	A					
241	0	79	0	z	z	z	z	McClosky; MisL	OL	P	3,180	5	A					
242	0	17	0	z	z	z	z							MisL	3,280			
243	0	50	0	z	z	z	z	Rosiclare; MisL <sup>25</sup>	S	P	3,165	10	N					
244	0	12	0	z	z	z	z	McClosky; MisL	OL	P	3,185	11	N					
245	0	1	0	z	z	z	z							MisL	3,280			
246	0	0	0	z	z	z	z											
247	0	0	0	z	z	z	z											
248	0	1	0	z	z	z	z											
249	0	55	0	z	z	z	z							MisL	3,280			
250	0	10	0	z	z	z	z	Buchanan; Pen	S	P	1,088	26	ALF					
251	0	20	0	z	z	30.0	0.29	Biehl; Pen	S	P	1,520	10	ALF					
252	0	1	0	z	z	z	z	Palestine; MisU	S	P	2,140	18	ALF					
253	0	1	0	z	z	z	z	Waltersburg; MisU	S	P	2,260	10	ALF					
254	0	5	0	z	z	34.0	0.30	Tar Springs; MisU	S	P	2,320	12	ALF					
255	0	1	0	z	z	z	z	Cypress; MisU	S	P	2,700	10	ALF					
256	0	2	0	z	z	38.4	0.19	Bethel; MisU	S	P	2,815	11	ALF					
257	0	5	0	z	z	z	z	Aux Vases; MisU	S	P	2,880	18	AL					
258	0	0	0	z	z	z	z	Rosiclare; MisL <sup>25</sup>	OL	P	2,975	z	AC					
259	0	2	0	z	z	z	z	McClosky; MisL	OL	P	2,996	16	AC					
260	0	3	0	z	z	z	z											
261	0	2	0	z	z	20.3	0.35	Pottsville; Pen	S	P	450	10	z	Pen	562			
262	0	1	0	z	z	z	z							MisL	3,282			
263	0	0	0	z	z	z	z	Lower O'Hara; MisL	OL	P	3,130	8	MCF					
264	0	1	0	z	z	z	z	McClosky; MisL	OL	P	3,150	4	MCF					
265	0	3	0	z	z	z	z							MisL	3,418			
266	0	0	0	z	z	z	z	Cypress; MisU <sup>25</sup>	S	P	2,935	10	Af					
267	0	2	0	z	z	37.0	0.14	Aux Vases; MisU	S	P	3,230	15	Af					
268	0	1	0	z	z	z	z											
269	0	5	0	z	z	36.8	0.17	McClosky; MisL	OL	P	3,360	5	AC	MisL	3,600			
270	0	41	0	z	z	z	z							MisL	3,365			
271	0	25	0	z	z	37.2	0.20	Tar Springs; MisU	S	P	2,500	30	ALF					
272	0	2	0	z	z	z	z	Cypress; MisU	S	P	2,915	10	AL					
273	0	1	0	z	z	z	z	Bethel; MisU	S	P	2,960	18	AL					
274	0	4	0	z	z	z	z	Aux Vases; MisU	S	P	3,080	11	AL					
275	0	1	0	z	z	z	z	Lower O'Hara; MisL	OL	P	3,175	4	AC					
276	0	6	0	z	z	40.0	z	McClosky; MisL	OL	P	3,250	5	AC					
277	0	2	0	z	z	z	z											
278	0	496	0	z	z	z	z							"Trenton"	4,170			
279	0	30	0	z	z	36.4	0.20	Cypress; MisU	S	P	1,200	15	A					
280	0	168	0	z	z	37.7	0.17	Bethel; MisU	S	P	1,355	20	A					
281	0	2	0	z	z	z	z	McClosky; MisL	OL	P	1,580	z	A					
282	0	267	0	z	z	37.4	0.38	Devonian; Dev	L	Cav	2,870	12	A					
283	0	0	0	z	z	43.2	0.28	"Trenton"; Ord	L	Cav	4,020	7	A					
284	0	29	0	z	z	z	z											
285	0	8	0	z	z	37.8	0.17	Bethel; MisU	S	P	1,420	8	N	MisU	1,531			
286	0	40	0	z	z	z	z							St. Peter	7,205			
287	0	5	0	z	z	38.5	z	Aux Vases; MisU	S	P	3,002	8	AL					
288	0	3	0	z	z	z	z	Rosiclare; MisL	SL	P	3,086	9	AC					
289	0	17	0	z	z	35.8	0.24	McClosky; MisL	OL	P	3,117	11	A					
290	0	15	0	z	z	z	z											
291	0	1	0	z	z	39.0	z	McClosky; MisL	OL	P	3,170	10	ML	MisL	3,245			
292	0	1	0	z	z	z	z	Bethel; MisU	S	P	1,775	7	A	MisL	2,012			
293	0	1,071	0	z	z	z	z							Dev	4,840			

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>		
			Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		Completed	Abandoned	
			To End of 1946	During 1946		To End of 1946	During 1946			Completed to End of 1946
294			x	x		0	0	42	6	1
295			x	x		0	0	198	22	1
296			x	x		0	0	20	17	0
297			x	x		0	0	61	33	2
298			x	x		0	0	798	27	29
299			x	x		0	0	53	27	0
300	Clay City West, Clay	1941	360	1,099,000	34,000	0	0	17	0	0
301			x	x		0	0	1	0	0
302			x	x		0	0	16	0	0
303	Coil, Wayne	1942	380	981,000	85,000	0	0	17	0	0
304			x	x		0	0	16	0	0
305			x	x		0	0	1	0	0
306	Coil West, Jefferson	1942	300	317,000	74,000	0	0	14	1	1
307			x	x		0	0	4	1	0
308			x	x		0	0	1	0	0
309			x	x		0	0	5	0	1
310			x	x		0	0	4	0	0
311			x	x		0	0	4	0	0
312	Concord, White	1942	970	1,780,000	609,000	0	0	76	14	0
313			x	x		0	0	15	0	0
314			x	x		0	0	9	0	0
315			x	x		0	0	13	5	0
316			x	x		0	0	1	0	0
317			x	x		0	0	35	8	0
318			x	x		0	0	3	1	0
319	Concord East, White	1942	40	9,000	1,000	0	0	1	0	0
320	Concord North, White	1946	40	31,000	31,000	0	0	4	4	0
321	Concord South, White	1944	30	11,000	3,000	0	0	3	1	0
322	Cooks Mills, Coles	1941	20	6,000	400	0	0	2	0	0
323	Cooks Mills North, Coles	1946	20	200	200	0	0	1	1	0
324	Cordes, Washington	1939	1,440	3,440,000	270,000	0	0	142	0	1
325	Covington East, Wayne	1946	100	11,000	11,000	0	0	8	8	0
326			x	x		0	0	6	6	0
327			x	x		0	0	0	0	0
328			x	x		0	0	1	1	0
329			x	x		0	0	1	1	0
330	Covington South, Wayne	1943	320	120,000	14,000	0	0	8	0	0
331	Cowling, Edwards, Wabash	1939	360	575,000	118,000	0	0	31	3	0
332			x	x		0	0	0	0	0
333			x	x		0	0	4	0	0
334			x	x		0	0	17	0	0
335			x	x		0	0	0	0	0
336			x	x		0	0	1	0	0
337			x	x		0	0	6	0	0
338			x	x		0	0	2	2	0
339			x	x		0	0	1	1	0
340	Cravat, Jefferson	1939	110	254,000	16,000	0	0	11	0	2
341	Crossville, White	1946	20	1,000	1,000	0	0	1	1	0
342	Dahlgren, Hamilton	1941	600	967,000	35,000	0	0	42	0	16
343	Dale-Hoodville Consolidated, Hamilton	1940	5,000	22,768,000	1,488,000	0	0	427	4	13
344			x	x		0	0	26	0	1
345			x	x		0	0	42	0	0
346			x	x		0	0	5	3	0
347			x	x		0	0	90	0	3
348			x	x		0	0	194	0	4
349			x	x		0	0	14	0	0
350			x	x		0	0	0	0	0
351			x	x		0	0	9	1	5
352			x	x		0	0	47	0	0
353	Divide, Jefferson	1943	300	297,000	38,000	0	0	11	0	0
354			x	x		0	0	0	0	0
355			x	x		0	0	11	0	0
356			x	x		0	0	0	0	0
357	Divide West, Jefferson	1944	960	1,833,000	691,000	0	0	44	3	1

TABLE 1—(Continued)

Line Number	Wells Producing <sup>o</sup> Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>a</sup>	Character of Oil <sup>b</sup>		Producing Formation						Deepest Zone Tested <sup>c</sup> to End of 1946	
	Flowing	Oil <sup>2</sup>		Initial	Avg/End 1946		Gravity API at 60°F <sup>3</sup>	Sulphur, Pct	Name and Age <sup>d</sup>	Character <sup>e</sup>	Porosity, Pct	Depth to Top of Pro- ducing Zone, Ft <sup>4</sup>	Productive Thickness, Avg Ft., Net	Structure <sup>e</sup>	Name	Depth of Hole, Ft
		Artificial Lift	Gas													
294	0	49	0	z	z	37.9	z	Cypress; MisU	L	P	2,635	10	A			
295	0	195	0	z	z	39.2	z	Aux Vases; MisU	L	P	2,940	15	AL			
296	0	15	0	z	z	38.0	z	Lower O'Hara; MisL	L	P	3,017	5	AL			
297	0	52	0	z	z	38.0	z	Rosiclare; MisL	OL	P	3,030	8	AL			
298	0	662	0	z	z	39.8	0.18	McClosky; MisL	OL	P	3,050	10	AL			
299	0	98	0	z	z											
300	0	17	0	z	z									MisL	3,150	
301	0	1	0	z	z			Cypress; MisU	S	P	2,700	24	A			
302	0	16	0	z	z	39.4	0.17	McClosky; MisL	OL	P	3,050	15	A			
303	0	16	0	z	z									MisL	3,185	
304	0	16	0	z	z	33.8	0.13	Aux Vases; MisU	S	P	2,900	20	A			
305	0	0	0	z	z	35.0	0.17	McClosky; MisL	OL	P	2,970	3	AC			
306	0	12	0	z	z									MisL	3,022	
307	0	6	0	z	z			Aux Vases; MisU	S	P	2,729	14	AL			
308	0	2	0	z	z			Lower O'Hara; MisL	L	P	2,830	6	AC			
309	0	1	0	z	z			McClosky; MisL	L	P	2,885	10	AC			
310	0	0	0	z	z			Rosiclare; MisL <sup>25</sup>	SL	P	2,870	6	AC			
311	0	3	0	z	z									MisL	3,115	
312	0	73	0	z	z											
313	0	13	0	z	z	37.0	z	Tar Springs; MisU	S	P	2,270	20	AL			
314	0	7	0	z	z			Cypress; MisU	S	P	2,623	10	AL			
315	0	11	0	z	z	39.6	0.15	Aux Vases; MisU	S	P	2,905	15	AL			
316	0	0	0	z	z			Lower O'Hara; MisL	OL	P	2,930	8	AC			
317	0	33	0	z	z			McClosky; MisL	OL	P	2,989	10	AC			
318	0	9	0	z	z											
319	0	1	0	z	z			Lower O'Hara; MisL	L	P	2,880	8	MC	MisL	2,952	
320	0	4	0	z	z			Aux Vases; MisU	S	P	2,950	10	A	MisL	3,129	
321	0	3	0	z	z			Tar Springs; MisU	S	P	2,300	20	MF	MisL	3,115	
322	0	0	0	z	z	36.4	0.40	Aux Vases; MisU	S	P	1,825	10	A	Dev	3,226	
323	0	1	0	z	z			Rosiclare; MisL	S	P	1,770	24	A	MisL	1,843	
324	0	130	0	z	z	37.4	0.19	Bethel; MisU	S	P	1,260	14	A	Dev	2,887	
325	0	8	0	z	z									MisL	3,343	
326	0	6	0	z	z			Aux Vases; MisU	S	P	3,144	16	ML			
327	0	1	0	z	z			Lower O'Hara; MisL <sup>25</sup>	L	P	3,200	5	MC			
328	0	1	0	z	z			McClosky; MisL	L	P	3,210	4	MC			
329	0	1	0	z	z											
330	0	7	0	z	z	39.4	0.18	McClosky; MisL	OL	P	3,310	8	AC	MisL	3,389	
331	0	28	0	z	z									MisL	3,175	
332	0	1	0	z	z			Palestine; MisU	S	P	2,000	z	AL			
333	0	4	0	z	z			Waltersburg; MisU	S	P	2,150	8	AL			
334	0	6	0	z	z	36.6	0.23	Cypress; MisU	S	P	2,630	15	A			
335	0	8	0	z	z			Bethel; MisU	S	P	2,770	z	AL			
336	0	0	0	z	z			Rosiclare; MisL	SL	P	2,860	4	AC			
337	0	6	0	z	z			McClosky; MisL	L	P	2,995	5	AC			
338	0	2	0	z	z			Tar Springs; MisU	S	P	2,230	13	AL			
339	0	1	0	z	z											
340	0	9	0	z	z	35.4	0.23	Bethel; MisU	S	P	2,070	10	A	MisL	2,335	
341	0	1	0	z	z			McClosky; MisL	L	P	3,125	10	MC	MisL	3,162	
342	0	6	0	z	z	39.2	0.16	McClosky; MisL	L	P	3,315	10	A	MisL	3,507	
343	0	384	0	z	z									Dev	5,354	
344	0	24	0	z	z			Tar Springs; MisU	S	P	2,430	25	AL			
345	0	39	0	z	z	37.6	0.25	Cypress; MisU	S	P	2,680	18	A			
346	0	11	0	z	z			Paint Creek; MisU	S	P	2,900	17	A			
347	0	57	0	z	z	39.0	0.19	Bethel; MisU	S	P	2,950	20	A			
348	0	191	0	z	z	38.0	0.15	Aux Vases; MisU	S	P	3,020	19	A			
349	0	2	0	z	z			Lower O'Hara; MisL	L	P	3,050	6	AC			
350	0	0	0	z	z	38.6		Rosiclare; MisL <sup>25</sup>	SL	P	3,060	15	AC			
351	0	4	0	z	z	38.6	0.19	McClosky; MisL	L	P	3,075	5	AC			
352	0	56	0	z	z											
353	0	10	0	z	z									MisL	2,921	
354	0	0	0	z	z			Lower O'Hara; MisL <sup>25</sup>	L	P	2,700	6	AC			
355	0	10	0	z	z			McClosky; MisL	L	P	2,750	10	AC			
356	0	0	0	z	z											
357	0	43	0	z	z									MisL	2,89	

TABLE I—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>		
			Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946		
			To End of 1946	During 1946		To End of 1946	During 1946	Completed	Abandoned	
			Area Proved, Acres <sup>b</sup>			Completed to End of 1946				
358			x	x		0	0	3	0	0
359			x	x		0	0	1	0	0
360			x	x		0	0	36	0	0
361			x	x		0	0	4	0	0
362	Dix, Jefferson, Marion	1938	1,420	4,919,000	404,000	0	0	89	5	5
363			x	x	x	0	0	88	0	0
364			x	x	x	0	0	0	0	0
365			x	x	x	0	0	1	0	0
366	Dix South, Jefferson	1941 <sup>28</sup>	20	11,000	0	0	0	1	0	0
367	Dubois, Washington	1939	110	148,000	13,000	0	0	10	0	1
368	Dubois West, Washington	1942	10	8,000	1,000	0	0	1	0	0
369	Dundas Consolidated, Richland, Jasper	1939	6,700	12,307,000	644,000	0	0	290	3	10
370			x	x	x	0	0	8	0	1
371			x	x	x	0	0	2	0	0
372			x	x	x	0	0	3	0	0
373			x	x	x	0	0	3	0	0
374			x	x	x	0	0	273	4	0
375	Dundas East, Richland, Jasper	1942	440	734,000	70,000	0	0	4	0	0
376			x	x	x	0	0	16	0	0
377			x	x	x	0	0	2	0	0
378	Eldorado, Saline	1941	40	10,000	1,000	0	0	14	0	0
379			x	x	x	0	0	2	0	0
380			x	x	x	0	0	0	0	0
381			x	x	x	0	0	1	0	0
382	Elk Prairie, Jefferson	1938 <sup>29</sup>	10	700	0	0	0	1	0	0
383	Elkville, Jackson	1941	10	3,000	200	0	0	1	0	0
384	Ellery, Edwards, Wayne	1941	40	50,000	6,000	0	0	2	0	0
385			x	x	x	0	0	0	0	0
386			x	x	x	0	0	2	0	0
387			x	x	x	0	0	0	0	0
388	Ellery North, Edwards	1942 <sup>30</sup>	20	3,000	0	0	0	1	0	0
389	Ellery South, Edwards	1943	160	53,000	24,000	0	0	4	1	0
390	Epworth, White	1941	120	255,000	26,000	0	0	10	0	0
391			x	x	x	0	0	2	0	0
392			x	x	x	0	0	6	0	0
393			x	x	x	0	0	1	0	0
394			x	x	x	0	0	1	0	0
395	Epworth East, White	1946	20	8,000	8,000	0	0	2	2	0
396			x	x	x	0	0	1	1	0
397			x	x	x	0	0	1	1	0
398	Ewing, Franklin	1944	140	161,000	75,000	0	0	7	1	0
399	Exchange, Marion	1943	80	33,000	6,000	0	0	2	0	0
400	Fairfield, Wayne	1942	40	19,000	5,000	0	0	2	0	0
401	Fairman, Marion, Clinton	1939	460	1,184,000	68,000	0	0	25	0	0
402	Fitzgerrell, Jefferson	1944	10	6,000	2,000	0	0	1	0	0
403	Flora, Clay	1938	640	757,000	62,000	0	0	29	1	1
404			x	x	x	0	0	0	0	0
405			x	x	x	0	0	1	0	0
406			x	x	x	0	0	0	0	0
407			x	x	x	0	0	27	1	1
408			x	x	x	0	0	1	0	0
409	Flora South, Clay	1946	40	39,000	39,000	0	0	2	2	0
410	Friendsville, Wabash	1942	160	57,000	1,000	0	0	14	1	3
411			x	x	x	0	0	7	0	0
412			x	x	x	0	0	1	1	0
413			x	x	x	0	0	4	0	2
414			x	x	x	0	0	1	0	1
415			x	x	x	0	0	1	0	0
416	Friendsville Central, Wabash	1946	10	3,000	3,000	0	0	1	1	0
417	Friendsville North, Wabash	1946	100	13,000	13,000	0	0	10	10	0

<sup>28</sup> Abandoned 1946.<sup>29</sup> Abandoned 1940.<sup>30</sup> Abandoned 1943.



TABLE I—(Continued)

Line Number	Wells Producing <sup>g</sup> Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>a</sup>	Character of Oil <sup>b</sup>		Producing Formation					Deepest Zone Tested <sup>d</sup> to End of 1946		
	Oil <sup>2c</sup>			Initial	Avg/End 1946		Gravity API at 60°F <sup>3</sup>	Sulphur, Pct	Name and Age <sup>i</sup>	Character <sup>4</sup>	Porosity, Pct <sup>5</sup>	Depth to Top of Pro- ducing Zone, Ft <sup>6</sup>	Productive Thickness, Avg Ft., <sup>7</sup> Net	Structure <sup>8</sup>	Name	Depth of Hole, Ft
	Flowing	Artificial Lift	Gas													
358	0	0	0	0	0											
359	0	0	0	0	0											
360	0	41	0	0	0											
361	0	2	0	0	0											
362	0	83	0	0	0											
363	0	82	0	0	0											
364	0	1	0	0	0		38.0	0.18	Bethel; MisU	S	P	1,950	13	A	Dev	3,874
365	0	0	0	0	0				Aux Vases; MisU	S	P	2,000	30	A		
366	0	0	0	0	0				Rosiclare; MisL	S	P	2,100	8	A		
367	0	6	0	0	0				Bethel; MisU	S	P	1,931	5	A	MisL	2,265
368	0	1	0	0	0		31.5	0.26	Bethel; MisU	S	P	1,355	8	A	Dev	3,535
369	0	252	0	0	0	W			Bethel; MisU	S	P	1,345	6	A	MisL	1,885
370	0	6	0	0	0		37.0		Cypress; MisU	S	P	2,520	12	AL	Dev	4,585
371	0	2	0	0	0		38.0		Aux Vases; MisU	S	P	2,795	9	A		
372	0	4	0	0	0	W			Rosiclare; MisL	SL	P	2,945	6	AL		
373	0	215	0	0	0	W	39.6	0.26	McClosky; MisL	OL	P	2,974	7	A		
374	0	25	0	0	0											
375	0	15	0	0	0				Lower O'Hara; MisL	OL	P	2,940	10	A	MisL	3,105
376	0	0	0	0	0				McClosky; MisL	OL	P	3,000	8	A		
377	0	15	0	0	0											
378	0	1	0	0	0											
379	0	0	0	0	0				Tar Springs; MisU	S	P	2,206	20	A	MisL	3,000
380	0	1	0	0	0				Aux Vases; MisU	S	P	2,813	20	A		
381	0	0	0	0	0		34.2	0.14	McClosky; MisL	L	P	2,942	8	A		
382	0	0	0	0	0				McClosky; MisL	L	P	2,730	7	A	MisL	3,000
383	0	0	0	0	0		35.8	0.22	Bethel; MisU	S	P	2,000	10	A	MisL	2,387
384	0	2	0	0	0											
385	0	1	0	0	0				Aux Vases; MisU <sup>26</sup>	S	P	3,242	20	AL	MisL	3,365
386	0	1	0	0	0		39.1		McClosky; MisL	L	P	3,340	10	A		
387	0	1	0	0	0											
388	0	0	0	0	0		37.6	0.19	McClosky; MisL	L	P	3,350	7	MC	MisL	3,496
389	0	3	0	0	0		39.0		McClosky; MisL	L	P	3,320	11	MC	MisL	3,373
390	0	8	0	0	0											
391	0	2	0	0	0				Degonia; MisU	S	P	2,090	6	A	MisL	3,195
392	0	6	0	0	0		36.2		Cloze; MisU	S	P	2,070	15	A		
393	0	0	0	0	0				Palestine; MisU	S	P	2,100	15	A		
394	0	0	0	0	0				Bethel; MisU	S	P	2,825	16	A		
395	0	2	0	0	0											
396	0	1	0	0	0				Cypress; MisU	S	P	2,730	8	MF	MisL	3,083
397	0	1	0	0	0				Aux Vases; MisU	S	P	3,005	15	MF		
398	0	7	0	0	0				McClosky; MisL	L	P	3,000	8	A	MisL	3,094
399	0	2	0	0	0				McClosky; MisL	L	P	2,735	8	MC	MisL	2,808
400	0	1	0	0	0				Aux Vases; MisU	S	P	3,235	14	AL	MisL	4,100
401	0	16	0	0	0		35.2	0.27	Bethel; MisU	S	P	1,440	9	A	"Trenton"	3,410
402	0	1	0	0	0				Bethel; MisU	S	P	2,760	14	A	MisL	3,012
403	0	25	0	0	0											
404	0	1	0	0	0				Cypress; MisU	S	P	2,595	2	A	MisL	3,100
405	0	1	0	0	0		37.4		Bethel; MisU	S	P	2,790	20	A		
406	0	0	0	0	0				Aux Vases; MisU <sup>26</sup>	S	P	2,875	28	A		
407	0	20	0	0	0		37.2	0.24	McClosky; MisL	OL	P	2,970	6	A		
408	0	3	0	0	0											
409	0	2	0	0	0				McClosky; MisL	L	P	2,980	9	MC	MisL	3,136
410	0	10	0	0	0											
411	0	7	0	0	0		31.0	0.22	Biehl; Pen	S	P	1,760	15	A	MisL	2,758
412	0	1	0	0	0		27.3	0.25	Palestine; MisU	S	P	1,785	13	A		
413	0	0	0	0	0				Lower O'Hara; MisL	OL	P	2,633	6	AC		
414	0	1	0	0	0				McClosky; MisL	L	P	2,655	5	AC		
415	0	1	0	0	0											
416	0	1	0	0	0				Bethel; MisU	S	P	2,325	20	A	MisL	2,630
417	0	10	0	0	0				Biehl; Pen	S	P	1,645	14	L	MisL	2,592

TABLE I--(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>			
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946		
				To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
418	Friendsville South, Wabash.....	1942	380	538,000	123,000	x	0	0	0	0	
419	x	x	x	x	x	x	0	0	0	0	
420	x	x	x	x	x	x	0	0	0	0	
421	x	x	x	x	x	x	0	0	0	0	
422	x	x	x	x	x	x	0	0	0	0	
423	x	x	x	x	x	x	0	0	0	0	
424	x	x	x	x	x	x	0	0	0	0	
425	x	x	x	x	x	x	0	0	0	0	
426	Geff, Wayne.....	1941	680	1,053,000	219,000	x	0	0	0	0	
427	x	x	x	x	x	x	0	0	0	0	
428	x	x	x	x	x	x	0	0	0	0	
429	x	x	x	x	x	x	0	0	0	0	
430	x	x	x	x	x	x	0	0	0	0	
431	x	x	x	x	x	x	0	0	0	0	
432	Geff West, Wayne.....	1942	60	75,000	14,000	x	0	0	0	0	
433	Goldengate Consolidated, Wayne.....	1939	1,040	1,440,000	288,000	x	0	0	0	0	
434	x	x	x	x	x	x	0	0	0	0	
435	x	x	x	x	x	x	0	0	0	0	
436	x	x	x	x	x	x	0	0	0	0	
437	x	x	x	x	x	x	0	0	0	0	
438	x	x	x	x	x	x	0	0	0	0	
439	Goldengate North, Wayne.....	1945	40	14,000	9,000	x	0	0	0	0	
440	x	x	x	x	x	x	0	0	0	0	
441	x	x	x	x	x	x	0	0	0	0	
442	x	x	x	x	x	x	0	0	0	0	
443	x	x	x	x	x	x	0	0	0	0	
444	Gossett, White.....	1943 <sup>31</sup>	40	600	0	x	0	0	0	0	
445	Grayville, Edwards, White.....	1939	320	585,000	74,000	x	0	0	0	0	
446	x	x	x	x	x	x	0	0	0	0	
447	x	x	x	x	x	x	0	0	0	0	
448	x	x	x	x	x	x	0	0	0	0	
449	x	x	x	x	x	x	0	0	0	0	
450	x	x	x	x	x	x	0	0	0	0	
451	x	x	x	x	x	x	0	0	0	0	
452	Grayville West, White.....	1941	30	51,000	5,000	x	0	0	0	0	
453	x	x	x	x	x	x	0	0	0	0	
454	x	x	x	x	x	x	0	0	0	0	
455	Herald, White, Gallatin.....	1940	1,020	1,060,000	663,000	x	0	0	0	0	
456	x	x	x	x	x	x	0	0	0	0	
457	x	x	x	x	x	x	0	0	0	0	
458	x	x	x	x	x	x	0	0	0	0	
459	x	x	x	x	x	x	0	0	0	0	
460	x	x	x	x	x	x	0	0	0	0	
461	x	x	x	x	x	x	0	0	0	0	
462	x	x	x	x	x	x	0	0	0	0	
463	x	x	x	x	x	x	0	0	0	0	
464	x	x	x	x	x	x	0	0	0	0	
465	x	x	x	x	x	x	0	0	0	0	
466	x	x	x	x	x	x	0	0	0	0	
467	x	x	x	x	x	x	0	0	0	0	
468	Hidalgo, Jasper.....	1940 <sup>32</sup>	20	10,000	0	x	0	0	0	0	
469	Hidalgo North, Cumberland.....	1946	20	1,000	1,000	x	0	0	0	0	
470	Hill, Effingham.....	1943	80	36,000	4,000	x	0	0	0	0	
471	Hoffman, Clinton.....	1939	220	549,000	32,000	x	0	0	0	0	
472	x	x	x	x	x	x	0	0	0	0	
473	x	x	x	x	x	x	0	0	0	0	
474	x	x	x	x	x	x	0	0	0	0	
475	Hoodville East, Hamilton.....	1944 <sup>33</sup>	20	600	0	x	0	0	0	0	
476	Hoosier, Clay.....	1946	130	54,000	54,000	x	0	0	0	0	
477	x	x	x	x	x	x	0	0	0	0	
478	x	x	x	x	x	x	0	0	0	0	

<sup>31</sup> Abandoned 1946.

<sup>32</sup> Abandoned 1943.

<sup>33</sup> Abandoned 1944.

TABLE 1—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1946			Reservoir Pressure, Psi <sup>b</sup>		Character of Oil <sup>c</sup>		Producing Formation					Deepest Zone Tested <sup>d</sup> to End of 1946			
	Flowing	Oil <sup>2a</sup>		Initial	Avg/End 1946	Secondary Recovery <sup>b</sup>	Gravity, API at 60° F <sup>e</sup>	Sulphur, Pct	Name and Age <sup>f</sup>	Character <sup>g</sup>	Porosity, Pct	Depth to Top of Pro- ducing Zone, Ft <sup>h</sup>	Productive Thickness, Avg Ft, r Net	Structure <sup>i</sup>	Name	Depth of Hole, Ft
		Artificial Lift	Gas													
418	0	30	0													
419	0	4	0				31.0	0.22	Biehl; Pen	S	P	1,760	15	A	MisL	2,798
420	0	3	0				27.3	0.25	Palestine; MisU	S	P	1,785	13	A		
421	0	11	0				35.2	0.17	Cypress; MisU	S	P	2,300	12	A		
422	0	2	0				36.7	0.18	Bethel; MisU	S	P	2,475	10	A		
423	0	1	0						Lower O'Hara; MisL	OL	P	2,633	6	AC		
424	0	2	0						McClosky; MisL	L	P	2,655	5	AC		
425	0	7	0													
426	0	39	0													
427	0	31	0				40.4	0.13	Aux Vases; MisU	S	P	3,065	14	AL	MisL	3,390
428	0		0						Lower O'Hara; MisL <sup>25</sup>	L	P	3,140	5	AC		
429	0	1	0						Rosiclare; MisL	OL	P	3,200	4	AC		
430	0	5	0				34.0	0.33	McClosky; MisL	OL	P	3,245	5	AC		
431	0	2	0													
432	0	3	0						Aux Vases; MisU	S	P	3,130	20	AL	MisL Dev	3,320 5,645
433	0	38	0													
434	0	4	0						Aux Vases; MisU	S	P	3,180	15	AL		
435	0	3	0						Lower O'Hara; MisL	OL	P	3,252	6	AC		
436	0	3	0						Rosiclare; MisL	SL	P	3,275	5	AC		
437	0	15	0				34.4	0.18	McClosky; MisL	OL	P	3,308	9	AC		
438	0	13	0													
439	0	2	0													
440	0	0	0						Lower O'Hara; MisL <sup>25</sup>	L	P	3,300	9	AC		
441	0	0	0						Rosiclare; MisL <sup>25</sup>	SL	P	3,325	6	AC		
442	0	2	0						McClosky; MisL	L	P	3,325	6	AC		
443	0	0	0													
444	0	0	0						McClosky; MisL	OL	P	3,080	3	MF	MisL	3,090
445	0	15	0													3,280
446	0	3	0						Biehl; Pen	S	P	1,880	9	MF		
447	0	1	0						Palestine; MisU	S	P	2,098	12	AL		
448	0	1	0						Cypress; MisU	S	P	2,810	16	A		
449	0	1	0						Rosiclare; MisL	L	P	3,122		A		
450	0	8	0				35.8	0.31	McClosky; MisL	L	P	3,100	10	A		
451	0	1	0													
452	0	2	0													
453	0	1	0				37.0		Cypress; MisU	S	P	2,860	16	MF	MisL	3,275
454	0	1	0						McClosky; MisL	OL	P	3,180	10	MF		
455	0	90	0													3,394
456	0	3	0				28.0		Pennsylvanian; Pen	S	P	1,500	15	A		
457	0	1	0						Pennsylvanian; Pen	S	P	1,750	18	MF		
458	0	1	0						Waltersburg; MisU	S	P					
459	0	9	0				37.2	0.24	Tar Springs; MisU	S	P	2,260	15	AL		
460	0	47	0						Cypress; MisU	S	P	2,660	10	AL		
461	0	1	0						Paint Creek; MisU	S	P					
462	0	2	0						Bethel; MisU	S	P	2,790	10	AL		
463	0	15	0						Aux Vases; MisU	S	P	2,920	11	AL		
464	0	2	0						Lower O'Hara; MisL	L	P	2,965	6	MF		
465	0	2	0						Rosiclare; MisL	L	P	3,005	4	A		
466	0	5	0						McClosky; MisL	L	P	2,967	6	A		
467	0	2	0													
468	0	0	0				38.6	0.20	McClosky; MisL	L	P	2,598	8	MC	Dev	4,140
469	0	1	0						Rosiclare; MisL	S	P	2,650	11		MisL	2,662
470	0	1	0				39.0		McClosky; MisL	L	P	2,570	6	A	MisL	2,675
471	0	32	0													2,914
472	0		0						Cypress; MisU	S	P	1,180	11	A		
473	0		0				33.2	0.21	Bethel; MisU	S	P	1,320	7	A		
474	0		0													
475	0	0	0						McClosky; MisL	L	P	3,364	3	N	MisL	3,387
476	0	10	0													3,066
477	0	6	0						Cypress; MisU	S	P	2,550	17	A		
478	0	1	0						Aux Vases; MisU	S	P	2,845	25	A		

## OIL AND GAS DEVELOPMENT IN ILLINOIS IN 1946

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>		
			Total Production, Bbl <sup>e</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946		
			To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
479										
480	Hoosier North, Clay.....	1946	10	500	z	0	0	3	3	0
481	Huey, Clinton.....	1945	30	400	z	0	0	1	1	0
482	Hunt City, Jasper.....	1945	20	400	z	0	0	3	0	0
483	Ina, Jefferson.....	1938 <sup>34</sup>	20	16,000	z	0	0	1	0	0
484	Ingraham, Clay.....	1942 <sup>35</sup>	80	3,000	z	0	0	2	0	1
485	Ingraham West, Clay.....	1945	540	543,000	43,000	0	0	3	0	0
486						0	0	45	43	0
487						0	0	22	21	0
488						0	0	2	2	0
489						0	0	1	1	0
490						0	0	5	5	0
491						0	0	8	7	0
492	Inman, Gallatin.....	1940	60	81,000	11,000	0	0	7	7	0
493						0	0	6	0	1
494						0	0	2	0	0
495						0	0	1	0	0
496						0	0	1	0	0
497						0	0	1	0	0
498	Inman East, Gallatin.....	1940	1,080	3,566,000	462,000	0	0	1	0	0
499						0	0	101	0	4
500						0	0	4	0	0
501						0	0	0	0	0
502						0	0	1	0	0
503						0	0	1	0	0
504						0	0	17	0	0
505						0	0	46	0	1
506						0	0	0	0	0
507						0	0	18	0	0
508						0	0	3	0	3
509	Inman North, Gallatin.....	1941	70	11,000	1,000	0	0	11	0	0
510						0	0	4	0	0
511						0	0	1	0	0
512	Inman West, Gallatin.....	1942	320	437,000	56,000	0	0	3	0	0
513						0	0	21	0	0
514						0	0	1	0	0
515						0	0	15	0	0
516						0	0	0	0	0
517	Iola, Clay.....	1939 <sup>36</sup>	1,500	3,407,000	573,000	0	0	5	0	0
518						0	0	117	5	1
519						0	0	0	0	0
520						0	0	20	5	0
521						0	0	0	0	0
522						0	0	5	0	0
523						0	0	0	0	0
524						0	0	56	0	0
525						0	0	0	0	0
526						0	0	9	0	1
527	Iola West, Clay.....	1945 <sup>37</sup>	20	500	500	0	0	27	0	0
528	Iron, White.....	1940	900	3,249,000	127,000	0	0	1	0	0
529						0	0	72	2	1
530						0	0	0	0	0
531						0	0	6	1	0
532						0	0	38	0	0
533						0	0	3	1	0
534						0	0	0	0	0
535						0	0	1	0	0
536						0	0	21	0	0
537	Irrington, Washington.....	1940	930	3,964,000	315,000	0	0	3	0	1
538						0	0	88	0	2
539						0	0	2	0	2

<sup>34</sup> Abandoned 1946.<sup>35</sup> Abandoned 1942, revived 1943, abandoned 1944.<sup>36</sup> Abandoned 1940, revived 1941.<sup>37</sup> Abandoned 1945.

TABLE 1—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>a</sup>	Character of Oil <sup>1</sup>		Producing Formation					Deepest Zone Tested <sup>b</sup> to End of 1946		
	Flowing	Oil <sup>2b</sup>		Initial	Avg/End 1946		Gravity API at 60°F <sup>3</sup>	Sulphur, Pct	Name and Age <sup>4</sup>	Character <sup>5</sup>	Porosity, Pct <sup>6</sup>	Depth to Top of Pro- ducing Zone, Ft. <sup>7a</sup>	Productive Thickness, Avg Ft. <sup>7b</sup> Net	Structure <sup>8</sup>	Name	Depth of Hole, ft.
		Artificial Lift	Gas													
479	0	3	0	3	3	3	3	Rosiclare; MisL	L	P	2,895	8	A	MisU	2,823	
480	0	1	0	3	3	3	3	Aux Vases; MisU	S	P	2,805	7	A	Dev	2,720	
481	0	3	0	3	3	3	3	Bethel; MisU	S	P	1,255	10	AL	MisL	2,711	
482	0	1	0	3	3	3	3	Rosiclare; MisL	L	P	2,540	13	MC	MisL	3,065	
483	0	0	0	3	3	3	3	St. Louis; MisL	L	P	3,000	5	AC	MisL	3,140	
484	0	0	0	3	3	3	3	McClosky; MisL	OL	P	3,100	7	MC	MisL	2,977	
485	0	45	0	3	3	3	3									
486	0	22	0	3	3	3	3	Cypress; MisU	S	P	2,530	18	A			
487	0	2	0	3	3	3	3	Bethel; MisU	S	P	2,650	15	A			
488	0	1	0	3	3	3	3	Aux Vases; MisU	S	P	2,765	10	A			
489	0	5	0	3	3	3	3	Rosiclare; MisL	L	P	2,832	7	A			
490	0	3	0	3	3	3	3	McClosky; MisL	L	P	2,832	4	A			
491	0	7	0	3	3	3	3									
492	0	2	0	3	3	3	3									
493	0	1	0	3	3	3	3	Palestine; MisU	S	P	1,830	10	AL	MisL	3,010	
494	0	0	0	3	3	3	3	Waltersburg; MisU	S	P	1,990	10	AL			
495	0	1	0	3	3	3	3	Aux Vases; MisU	S	P	2,695	12	AL			
496	0	0	0	3	3	3	3	Rosiclare; MisL	L	P	2,803	10	AC			
497	0	0	0	3	3	3	3	McClosky; MisL	L	P	2,730	10	AC			
498	0	95	0	3	3	3	3									
499	0	4	0	3	3	3	3	Pennsylvanian; Pen	S	P	780	10	AF			
500	0	0	0	3	3	3	3	Degonia; MisU <sup>2b</sup>	S	P	1,690	10	AF			
501	0	0	0	3	3	3	3	Clore; MisU	S	P	1,725	10	AF			
502	0	1	0	3	3	3	3	Palestine; MisU	S	P	1,840	13	AF			
503	0	15	0	3	3	3	3	Waltersburg; MisU	S	P	1,980	15	AL			
504	0	33	0	3	3	3	3	Tar Springs; MisU	S	P	2,080	10	AL			
505	0	3	0	3	3	3	3	Hardinsburg; MisU	S	P	2,135	10	AL			
506	0	14	0	3	3	3	3	Cypress; MisU	S	P	2,390	12	AL			
507	0	0	0	3	3	3	3	McClosky; MisL	L	P	2,800	10	AC			
508	0	25	0	3	3	3	3									
509	0	1	0	3	3	3	3									
510	0	0	0	3	3	3	3	Aux Vases; MisU	S	P	2,815	20	ML	MisL	3,020	
511	0	1	0	3	3	3	3	McClosky; MisL	L	P	2,860	15	MC			
512	0	18	0	3	3	3	3									
513	0	1	0	3	3	3	3	Tar Springs; MisU	S	P	2,175	20	AL	MisL	2,990	
514	0	12	0	3	3	3	3	Cypress; MisU	S	P	2,435	15	AL			
515	0	0	0	3	3	3	3	McClosky; MisL <sup>2b</sup>	L	P	2,875	8	A			
516	0	5	0	3	3	3	3									
517	0	107	0	3	3	3	3									
518	0	1	0	3	3	3	3	Tar Springs; MisU	S	P	1,890	9	D	MisL	2,590	
519	0	22	0	3	3	3	3	Cypress; MisU	S	P	2,125	20	D			
520	0	2	0	3	3	3	3	Paint Creek; MisU	S	P	2,255	9	D			
521	0	2	0	3	3	3	3	Bethel; MisU	S	P	2,290	14	D			
522	0	2	0	3	3	3	3	Renault; MisU <sup>2b</sup>	S	P	2,320	9	D			
523	0	41	0	3	3	3	3	Aux Vases; MisU	S	P	2,335	14	D			
524	0	4	0	3	3	3	3	Rosiclare; MisL <sup>2b</sup>	SL	P	2,400	7	D			
525	0	4	0	3	3	3	3	McClosky; MisL	OL	P	2,425	10	ML			
526	0	35	0	3	3	3	3									
527	0	0	0	3	3	3	3	McClosky; MisL	L	P	2,495	2		MisL	2,613	
528	0	61	0	3	3	3	3									
529	0	0	0	3	3	3	3	Waltersburg; MisU <sup>2b</sup>	S	P	2,270	8	AL	MisL	3,246	
530	0	5	0	3	3	3	3	Tar Springs; MisU	S	P	2,385	12	AL			
531	0	35	0	3	3	3	3	Hardinsburg; MisU	S	P	2,500	18	AF			
532	0	2	0	3	3	3	3	Cypress; MisU	S	P	2,720	20	AL			
533	0	0	0	3	3	3	3	Paint Creek; MisU <sup>2b</sup>	S	P	2,850	15	AL			
534	0	0	0	3	3	3	3	Bethel; MisU	S	P	3,060	15	AL			
535	0	15	0	3	3	3	3	McClosky; MisL	OL	P	3,060	15	AC			
536	0	4	0	3	3	3	3									
537	0	84	0	3	3	3	3									
538	0	2	0	3	3	3	3	Cypress; MisU	S	P	1,380	10	A	Dev	3,362	

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells/			
			Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946			
			To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned	
539			x	x			0	0	78	0	0
540			x	x			0	0	0	0	0
541			x	x			0	0	0	0	0
542			100	40,000			0	0	7	0	0
543	Johnsonville Consolidated, Wayne.....	1941	6,000	18,355,000	1,193,000		0	0	304	1	1
544			x	x	x		0	0	0	0	0
545			x	x	x		0	0	60	0	0
546			x	x	x		0	0	5	1	0
547			x	x	x		0	0	5	0	0
548			x	x	x		0	0	218	0	0
549			x	x	x		0	0	18	0	1
550	Johnsonville North, Wayne.....	1943	40	30,000	5,000		0	0	1	0	0
551			x	x	x		0	0	0	0	0
552			x	x	x		0	0	0	0	0
553			x	x	x		0	0	0	0	0
554	Johnsonville South, Wayne.....	1942	200	19,000	5,000		0	0	6	3	2
555			x	x	x		0	0	4	3	1
556			x	x	x		0	0	2	0	1
557	Johnsonville West, Wayne.....	1942 <sup>38</sup>	80	11,000	6,000		0	0	4	2	0
558			x	x	x		0	0	1	0	0
559			x	x	x		0	0	3	2	0
560	Junction, Gallatin.....	1939	140	241,000	14,000		0	0	14	0	0
561	Junction North, Gallatin.....	1946	10	0	0		0	0	1	1	0
562	Keensburg Consolidated, Wabash.....	1939	1,910	6,958,000	353,000		0	0	257	2	5
563			x	x	x		0	0	17	0	0
564			x	x	x		0	0	1	0	0
565			x	x	x		0	0	4	0	0
566			x	x	x		0	0	0	0	0
567			x	x	x		0	0	0	0	0
568			x	x	x		0	0	211	0	5
569			x	x	x		0	0	2	0	0
570			x	x	x		0	0	1	0	0
571			x	x	x		0	0	7	1	0
572			x	x	x		0	0	0	0	0
573	Keensburg East, Wabash.....	1939 <sup>39</sup>	60	8,000	2,000		0	0	14	1	0
574			x	x	x		0	0	3	0	0
575			x	x	x		0	0	1	0	0
576	Keensburg South, Wabash.....	1944	60	54,000	20,000		0	0	2	0	0
577			x	x	x		0	0	3	0	1
578			x	x	x		0	0	2	0	1
579	Keenville, Wayne.....	1945	300	348,000	340,000		0	0	1	0	0
580			x	x	x		0	0	27	25	0
581			x	x	x		0	0	6	4	0
582			x	x	x		0	0	2	2	0
583			x	x	x		0	0	17	17	0
584	Kell, Jefferson.....	1942 <sup>40</sup>	40	3,000	0		0	0	2	2	0
585	Kenner, Clay.....	1942	540	409,000	139,000		0	0	1	0	1
586			x	x	x		0	0	43	0	0
587			x	x	x		0	0	1	0	0
588			x	x	x		0	0	40	0	0
589			x	x	x		0	0	0	0	0
590			x	x	x		0	0	1	0	0
591	King, Jefferson.....	1942	670	883,000	228,000		0	0	1	0	0
592			x	x	x		0	0	33	0	0
593			x	x	x		0	0	24	0	0
594			x	x	x		0	0	0	0	0
595			x	x	x		0	0	2	0	0
596			x	x	x		0	0	0	0	0
597	LaCiede, Fayette.....	1943	40	4,000	0		0	0	7	0	0
598	Lakewood, Shelby.....	1941	160	52,000	16,000		0	0	2	1	1
599			x	x	x		0	0	8	6	0
									6	5	0

<sup>38</sup> Abandoned 1942, revived 1943.<sup>39</sup> Abandoned 1943, revived 1945.<sup>40</sup> Abandoned 1946.

TABLE I—(Continued)

Line Number	Wells Producing <sup>o</sup> Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>b</sup>	Character of Oil <sup>1</sup>		Producing Formation					Deepest Zone Tested <sup>d</sup> to End of 1946		
	Oil <sup>26</sup>			Initial	Avg/End 1946		Gravily API at 60°F <sup>3</sup>	Sulphur, Pct	Name and Age <sup>7</sup>	Character <sup>t</sup>	Porosity, Pct	Depth to Top of Pro- ducing Zone, Fm <sup>8</sup>	Productive Thickness, Avg Ft., <sup>9</sup> Net	Structure <sup>e</sup>	Name	Depth of Hole, Ft
	Flowing	Artificial Lift	Gas													
539	0	68	0	s	s		37.6	0.16	Bethel; MisU	S	P	1,535	10	A		
540	0	7	0	s	s		z	z	Aux Vases; MisU <sup>25</sup>	S	P	1,605	s	s		
541	0	7	0	s	s		39.0	0.27	Devonian; Dev	L	Cav	3,090	5	A		
542	0	7	0	s	s											
543	0	285	0	s	s											
544	0	2	0	s	s		z	z	Bethel; MisU	S	P	2,950	12	AL		
545	0	96	0	s	s		39.4	0.14	Aux Vases; MisU	S	P	3,020	20	AL		
546	0	3	0	s	s		z	z	Lower O'Hara; MisL	OL	P	3,120	10	AC		
547	0	3	0	s	s		z	z	Rosiclare; MisL	OL	P	3,150	8	AC		
548	0	144	0	s	s		38.0	0.17	McClosky; MisL	OL	P	3,169	15	AC		
549	0	37	0	s	s											
550	0	1	0	s	s											
551	0	0	0	s	s		37.6	0.18	Lower O'Hara; MisL <sup>25</sup>	OL	P	3,192	5	AC		
552	0	1	0	s	s		37.6	0.18	McClosky; MisL	OL	P	3,254	3	AC		
553	0	0	0	s	s											
554	0	3	0	s	s											
555	0	3	0	s	s		39.0	z	Aux Vases; MisU	S	P	3,087	20	z		
556	0	0	0	s	s		z	z	McClosky; MisL	OL	P	3,180	3	z		
557	0	3	0	s	s											
558	0	1	0	s	s		z	z	Aux Vases; MisU	S	P	2,970	13	ML		
559	0	2	0	s	s		z	z	McClosky; MisL	OL	P	3,107	2	MC		
560	0	14	0	s	s		37.2	0.22	Waltersburg; MisU	S	P	1,765	15	AF		
561	0	1	0	s	s		z	z	Aux Vases; MisU	S	P	2,726	14	z		
562	0	177	0	s	s											
563	0	12	0	s	s		38.0	z	Biehl; Pen	S	P	1,720	10	AL		
564	0	1	0	s	s		z	z	Clore; MisU	S	P	1,830	10	AL		
565	0	2	0	s	s		z	z	Palestine; MisU	S	P	1,900	13	AL		
566	0	0	0	s	s		z	z	Tar Springs; MisU	S	P	2,100	15	AL		
567	0	143	0	s	s		38.6	0.29	Cypress; MisU	S	P	2,250	18	A		
568	0	2	0	s	s		z	z	Paint Creek; MisU	S	P	2,550	12	AL		
569	0	2	0	s	s		36.6	z	Bethel; MisU	S	P	2,575	18	AL		
570	0	4	0	s	s		37.7	0.38	McClosky; MisL	OL	P	2,800	7	AC		
571	0	0	0	s	s		z	z	Rosiclare; MisL	L	P	z	z	z		
572	0	12	0	s	s											
573	0	2	0	s	s		z	z	Lower O'Hara; MisL	OL	P	2,716	6	MC		
574	0	1	0	s	s		37.6	0.26	McClosky; MisL	OL	P	2,710	6	MC		
575	0	1	0	s	s											
576	0	2	0	s	s		z	z	Pennsylvanian; Pen	S	P	1,140	15	AL		
577	0	1	0	300±	z		z	z	Lower O'Hara; MisL	OL	P	2,714	10	AC		
578	0	1	0	s	s											
579	0	26	0	s	s		z	z	Aux Vases; MisU	S	P	2,980	5	AL		
580	0	5	0	s	s		z	z	Lower O'Hara; MisL	L	P	3,060	7	A		
581	0	2	0	s	s		z	z	McClosky; MisL	L	P	3,100	9	A		
582	0	17	0	s	s											
583	0	2	0	s	s											
584	0	0	0	s	s		36.2	0.26	McClosky; MisL	L	P	2,625	6	A		
585	0	42	0	s	s											
586	0	1	0	s	s		z	z	Tar Springs; MisU	S	P	2,200	5	z		
587	0	40	0	s	s		36.8	0.22	Bethel; MisU	S	P	2,660	10	AC		
588	0	z	0	s	s		z	z	Aux Vases; MisU <sup>25</sup>	S	P	2,820	9	A		
589	0	0	0	s	s		z	z	McClosky; MisL	L	P	2,928	7	z		
590	0	1	0	s	s											
591	0	25	0	s	s											
592	0	15	0	s	s		38.6	0.17	Aux Vases; MisU	S	P	2,730	20	AL		
593	0	z	0	s	s		z	z	Lower O'Hara; MisL <sup>25</sup>	L	P	2,770	10	AC		
594	0	1	0	s	s		39.6	0.16	Rosiclare; MisL	SL	P	2,815	10	AC		
595	0	z	0	s	s		z	z	McClosky; MisL <sup>25</sup>	L	P	2,840	7	AC		
596	0	9	0	s	s											
597	0	1	0	s	s		35.6	0.18	Bethel; MisU	S	P	2,335	20	T		
598	0	8	0	s	s											
599	0	6	0	s	s		z	z	Bethel; MisU	S	P	1,692	9	z		

TABLE I—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>f</sup>			
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946		
				To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
600											
601	Lancaster, Wabash, Lawrence.....	1940	x	x	x	0	0	2	1	0	
602			1,100	1,840,000	320,000	0	0	96	2	1	
603			x	x	x	0	0	5	1	0	
604			x	x	x	0	0	60	1	0	
605			x	x	x	0	0	0	0	0	
606			x	x	x	0	0	1	0	0	
607			x	x	x	0	0	29	0	1	
608	Lancaster Central, Wabash.....	1946	80	55,000	55,000	0	0	1	0	0	
609	Lancaster East, Wabash.....	1944	10	1,000	0	0	0	4	4	0	
610	Lancaster South, Wabash.....	1946	20	8,000	8,000	0	0	1	1	0	
611	Lancaster West, Edwards, Wabash.....	1943	80	117,000	13,000	0	0	1	1	0	
612			x	x	x	0	0	4	0	0	
613			x	x	x	0	0	3	0	0	
614	Leech Township, Wayne.....	1938	280	517,000	37,000	0	0	1	0	0	
615			x	x	x	0	0	16	0	0	
616			x	x	x	0	0				
617			x	x	x	0	0				
618			x	x	x	0	0	15	0	0	
619	Lillyville, Cumberland.....	1946	60	9,000	9,000	0	0	1	0	0	
620	Louden, Fayette, Effingham.....	1937	20,650	130,193,000	8,205,000	80	x	3	3	0	
621				0	0	80	x	1,992	3	19	
622			20,080	x	x	x	x	2	0	0	
623			11,000	x	x	0	0	952	3	x	
624			7,010	x	x	0	0	323	0	x	
625			x	x	x	0	0	420	0	x	
626			3,130	9,494,000	1,140,000	0	0	0	0	x	
627						0	0	84	0	x	
628	McKinley, Washington.....	1940	100	193,000	6,000	0	0	211	0	x	
629			x	x	x	0	0	8	0	0	
630			x	x	x	0	0	7	0	0	
631	Maple Grove, Edwards.....	1943	690	969,000	248,000	0	0	1	0	0	
632	Maple Grove East, Edwards.....	1944	120	18,000	500	0	0	33	13	2	
633	Maple Grove South, Edwards.....	1945	20	7,000	2,000	0	0	3	0	0	
634	Marcoe, Jefferson.....	1938 <sup>41</sup>	20	12,500	0	0	0	1	0	0	
635	Marine, Madison.....	1943	2,300	2,528,000	1,202,000	0	0	2	0	0	
636	Markham City, Jefferson.....	1942	660	912,000	72,000	0	0	110	54	2	
637			x	x	x	0	0	19	0	1	
638			x	x	x	0	0	0	0	0	
639			x	x	x	0	0	18	0	1	
640	Markham City North, Jefferson, Wayne..	1943	480	644,000	74,000	0	0	1	0	0	
641			x	x	x	0	0	15	0	1	
642			x	x	x	0	0	2	0	0	
643	Markham City West, Jefferson.....	1945	410	324,000	322,000	0	0	13	0	1	
644			x	x	x	0	0	25	24	0	
645			x	x	x	0	0	11	10	0	
646			x	x	x	0	0	12	12	0	
647	Mason, Effingham.....	1940	60	187,000	6,000	0	0	2	2	0	
648	Mason South, Effingham, Clay.....	1941	720	1,146,000	233,000	0	0	9	0	0	
649			x	x	x	0	0	62	5	1	
650			x	x	x	0	0	21	0	0	
651			x	x	x	0	0	11	1	0	
652			x	x	x	0	0	5	0	0	
653			x	x	x	0	0	4	1	1	
654	Massilon, Wayne, Edwards.....	1946	40	5,000	5,000	0	0	21	3	0	
655			x	x	x	0	0	2	2	0	
656			x	x	x	0	0	2	2	0	
657	Mattoon, Coles.....	1939 <sup>42</sup>	3,630	4,777,000	4,271,000	0	0	371	298	1	
658			x	x	x	0	0	85	77	0	
659			x	x	x	0	0	1	1	0	
660			x	x	x	0	0	193	148	1	

<sup>41</sup> Abandoned 1941.<sup>42</sup> Abandoned 1939, revived 1940.



TABLE 1—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1946			Reservoir Pressure, Psi <sup>b</sup>		Character of Oil <sup>c</sup>		Producing Formation						Deepest Zone Tested <sup>d</sup> to End of 1946	
	Oil <sup>e</sup>			Initial	Avg/End 1946	Gravity API at 60°F <sup>g</sup>	Sulphur, Pct	Name and Age <sup>f</sup>	Character <sup>h</sup>	Porosity, Pct <sup>i</sup>	Depth to Top of Pro- ducing Zone, Fm <sup>j</sup>	Productive Thickness, Avg Ft., <sup>k</sup> Net	Structure <sup>l</sup>	Name	Depth of Hole, Ft
	Flowing	Artificial Lift	Gas												
600	0	2	0	z	z	31.7	0.23	Aux Vases; MisU	S	P	1,723	9	z	MisL	2,908
601	0	72	0	z	z	z	z	Paint Creek; MisU	S	P	2,320	22	AL	MisL	2,908
602	0	4	0	z	z	39.0	z	Bethel; MisU	S	P	2,530	12	AL	MisL	2,908
603	0	55	0	z	z	z	z	Aux Vases; MisU	S	P	z	z	AL	MisL	2,908
604	0	1	0	z	z	z	z	Lower O'Hara; MisL	OL	P	2,672	11	AC	MisL	2,908
605	0	1	0	z	z	39.8	0.28	McClosky; MisL	OL	P	2,090	5	A	MisL	2,908
606	0	10	0	z	z	z	z	Rosiclare; MisL	L	P	2,815	8	z	MisL	2,888
607	0	1	0	z	z	z	z	Bieh; Pen	S	P	1,750	10	ML	MisL	2,630
608	0	4	0	z	z	z	z	McClosky; MisL	L	P	2,720	12	z	MisL	2,809
609	0	1	0	z	z	z	z	Lower O'Hara; MisL	L	P	2,850	8	MC	MisL	3,125
610	0	1	0	z	z	40.9	0.20	Rosiclare; MisL	L	P	2,860	8	MC	MisL	3,125
611	0	4	0	z	z	z	z	Aux Vases; MisU <sup>25</sup>	S	P	3,375	18	ML	MisL	3,522
612	0	3	0	z	z	z	z	Lower O'Hara; MisL <sup>25</sup>	L	P	3,431	12	MC	MisL	3,522
613	0	1	0	z	z	39.0	0.19	McClosky; MisL	OL	P	3,430	6	AC	MisL	3,522
614	0	12	0	z	z	z	z	McClosky; MisL	L	P	2,450	8	A	Dev	4,000
615	0	z	z	z	z	z	z	McClosky; MisL	L	P	2,450	8	A	St. Peter	4,680
616	0	11	0	z	z	z	z	Bartschi; Pen	S	P	1,000	15	AL	Dev	2,565
617	0	3	0	z	z	z	z	Cypress; MisU	S	P	1,495	22	A	MisL	3,340
618	0	1	0	z	z	36.0	0.25	Paint Creek; MisU	S	P	1,538	15	A	MisL	3,315
619	0	3	0	z	z	37.8	0.24	Bethel; MisU	S	P	1,550	16	A	MisL	3,358
620	77	1,794	2	z	z	38.5	0.20	Aux Vases; MisU	S	P	1,630	9	A	MisL	3,066
621	0	0	2	z	z	28.2	0.48	Devonian; Dev	L	Cav	3,000	16	A	Ord	2,590
622	11	641	0	z	z	z	z	Bethel; MisU	S	P	1,000	7	A	MisL	3,215
623	0	190	0	z	z	44.1	0.18	Devonian; Dev	L	Cav	2,250	10	A	MisL	3,215
624	0	294	0	z	z	41.7	z	McClosky; MisL	L	P	3,270	8	A	MisL	3,340
625	1	1	0	z	z	z	z	McClosky; MisL	L	P	3,215	6	ML	MisL	3,315
626	12	60	0	z	z	z	z	McClosky; MisL	L	P	3,250	11	z	MisL	3,358
627	53	608	0	z	z	23.2	0.54	McClosky; MisL	L	P	2,745	15	z	MisL	3,066
628	0	5	0	z	z	35.2	0.28	Silurian; Sil	L	P	1,740	5	R <sup>42</sup>	MisL	2,590
629	0	5	0	z	z	38.2	0.08	Lower O'Hara; MisL	L	P	3,060	5	A	MisL	3,215
630	0	0	0	z	z	38.2	0.08	McClosky; MisL	L	P	3,090	11	A	MisL	3,166
631	0	31	0	z	z	z	z	Aux Vases; MisU	S	P	2,950	10	AL	MisL	3,166
632	0	0	0	z	z	z	z	McClosky; MisL	L	P	3,100	10	AC	MisL	3,182
633	0	1	0	z	z	z	z	Aux Vases; MisU	S	P	2,913	6	AL	MisL	3,182
634	0	0	0	z	z	z	z	McClosky; MisL	L	P	3,060	8	AC	MisL	3,182
635	0	108	0	z	z	z	z	McClosky; MisL	L	P	2,490	14	A	MisL	2,551
636	0	13	0	z	z	38.4	0.21	McClosky; MisL	L	P	2,490	14	A	MisL	2,553
637	0	2	0	z	z	z	z	Bethel; MisU	S	P	2,290	20	A	MisL	2,553
638	0	11	0	z	z	z	z	Aux Vases; MisU	S	P	2,360	14	A	MisL	2,553
639	0	0	0	z	z	z	z	Rosiclare; MisL	S	P	2,430	8	A	MisL	2,553
640	0	12	0	z	z	38.4	0.21	McClosky; MisL	L	P	2,450	7	A	MisL	2,553
641	0	2	0	z	z	z	z	Lower O'Hara; MisL	L	P	3,255	5	z	MisL	3,441
642	0	10	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
643	0	25	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
644	0	8	0	z	z	z	z	Aux Vases; MisU	S	P	1,835	15	A	St. Peter	4,915
645	0	9	0	z	z	44.1	0.16	Cypress; MisU	S	P	1,900	15	A	St. Peter	4,915
646	0	8	0	z	z	z	z	Aux Vases; MisU	S	P	2,000	10	AL	St. Peter	4,915
647	0	2	0	z	z	38.4	0.21	Rosiclare; MisL	S	P	z	z	z	St. Peter	4,915
648	0	56	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
649	0	20	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
650	0	10	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
651	0	2	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
652	0	2	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
653	0	22	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
654	0	2	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
655	0	1	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
656	0	1	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
657	0	365	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
658	0	83	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
659	0	1	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915
660	0	186	0	z	z	z	z	McClosky; MisL	L	P	z	z	z	St. Peter	4,915

<sup>42</sup> Reef structure.

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbls		Area Proved, Acres <sup>d</sup>	Millions Cu Fts		1946	
				To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed
661			x	x	x	0	0			
662			x	x	x	0	0	92	72	0
663	Maud, Wabash.....	1940	250	412,000	22,000	0	0	20	0	2
664			x	x	x	0	0	2	0	0
665			x	x	x	0	0	0	0	0
666			x	x	x	0	0	1	0	0
667			x	x	x	0	0	0	0	0
668			x	x	x	0	0	1	0	0
669			x	x	x	0	0	14	0	2
670			x	x	x	0	0	2	0	0
671	Maud North, Wabash.....	1946	50	7,000	7,000	0	0	5	5	0
672	Maunie, White.....	1941	30	46,000	5,000	0	0	3	0	0
673			x	x	x	0	0	2	0	0
674			x	x	x	0	0	1	0	0
675	Maunie North, White.....	1941	260	214,000	43,000	0	0	15	2	1
676			x	x	x	0	0	0	0	0
677			x	x	x	0	0	0	0	0
678			x	x	x	0	0	5	0	0
679			x	x	x	0	0	1	0	0
680			x	x	x	0	0	0	0	0
681			x	x	x	0	0	7	2	1
682			x	x	x	0	0	2	0	0
683	Maunie South, White.....	1941	960	2,187,000	174,000	0	0	84	1	2
684			x	x	x	0	0	4	0	0
685			x	x	x	0	0	5	0	0
686			x	x	x	0	0	33	0	0
687			x	x	x	0	0	1	0	0
688			x	x	x	0	0	24	0	0
689			x	x	x	0	0	2	1	0
690			x	x	x	0	0	9	0	0
692			x	x	x	0	0	0	0	0
693			x	x	x	0	0	0	0	1
694			x	x	x	0	0	6	0	1
695	Maunie West, White.....	1945 <sup>44</sup>	20	500	500	0	0	1	0	1
696	Mayberry, Wayne.....	1941	200	247,000	24,000	0	0	6	0	0
697	Mill Shoals, White, Hamilton, Wayne.....	1939	1,950	4,101,000	298,000	0	0	135	1	2
698			x	x	x	0	0	107	0	2
699			x	x	x	0	0	1	1	0
700			x	x	x	0	0	0	0	0
701			x	x	x	0	0	23	0	0
702			x	x	x	0	0	4	0	0
703	Mt. Auburn, Christian.....	1943	120	19,000	8,000	0	0	3	1	0
704	Mt. Carmel, Wabash.....	1940	3,740	6,732,000	858,000	x	x	381	25	12
705			x	x	x	0	0	1	1	0
706			x	x	x	0	0	43	1	0
707			x	x	x	0	0	3	0	1
708			x	x	x	0	0	3	2	0
709			x	x	x	0	0	0	0	0
710			x	x	x	0	0	7	1	0
711			x	x	x	0	0	0	0	0
712			x	x	x	x	x	230	11	8
713			x	x	x	0	0	2	0	0
714			x	x	x	0	0	7	4	1
715			x	x	x	0	0	4	1	0
716			x	x	x	0	0	40	3	2
717			x	x	x	0	0	41	1	0
718	Mt. Carmel West, Wabash.....	1939	60	18,000	2,000	0	0	4	0	0
719			x	x	x	0	0	2	0	0
720			x	x	x	0	0	2	0	0
721	Mt. Erie North, Wayne.....	1944	70	47,000	17,000	0	0	4	0	0
722			x	x	x	0	0	1	0	0

<sup>44</sup> Abandoned 1946.

TABLE I—(Continued)

Line Number	Wells Producing <sup>2</sup> Dec. 1946		Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>3</sup>	Character of Oil <sup>1</sup>		Producing Formation					Deepest Zone Tested <sup>4</sup> to End of 1946			
	Flowing	Artificial Lift	Gas	Initial		Avg./End 1946	Gravity API at 60°F <sup>3</sup>	Sulphur, Pct	Name and Age <sup>1</sup>	Character <sup>2</sup>	Porosity, Pct	Depth to Top of Pro- ducing Zone, Fm <sup>2</sup>	Productive Thickness, Avg Ft., <sup>2</sup> Net	Structures	Name	Depth of Hole, Ft
661	0			s		36.6	0.29	McClosky; MisL <sup>25</sup>	OL	P	2,025	12	A			
662	0	95	0	s												
663	0	13	0	s												
664	0	2	0	s		37.7	s	Waltersburg; MisU	S	P	1,935	17	AL	MisL	2,793	
665	0	1	0	s		s	s	Hardinsburg; MisU	S	P	2,115	22	AL			
666	0	1	0	s		s	s	Bethel; MisU	S	P	2,464	8	AL			
667	0	1	0	s		s	s	Aux Vases; MisU	S	P	2,550	12	AL			
668	0	0	0	s		38.0	0.30	Rosiclare; MisL	SL	P	2,640	9	AL			
669	0	6	0	s		38.0	0.30	McClosky; MisL	OL	P	2,650	8	A			
670	0	2	0	s												
671	0	5	0	s				Bethel; MisU	S	P	2,660	24	AL	MisL	2,826	
672	0	2	0	s												
673	0	1	0	s				Bridgeport; Pen	S	P	1,310	10	AL	MisL	3,050	
674	0	1	0	s		33.8	0.28	Palestine; MisU	S	P	2,010	6	AL			
675	0	14	0	s												
676	0			s				Cypress; MisU <sup>25</sup>	S	P	2,660	12	AL	MisL	3,120	
677	0	1	0	s				Paint Creek; MisU	S	P	2,775	11	AL			
678	0	4	0	s		36.5	s	Bethel; MisU	S	P	2,825	15	AL			
679	0	1	0	s				Aux Vases; MisU	S	P	2,940	8	AL			
680	0	1	0	s				Lower O'Hara; MisL	OL	P	3,015	5	AC			
681	0	3	0	s				McClosky; MisL	OL	P	3,075	16	AC			
682	0	4	0	s												
683	0	78	0	s	W											
684	0	4	0	s		37.0	s	Bridgeport; Pen	S	P	1,400	20	AL	MisL	3,091	
685	0	5	0	s		s	s	Degonia; MisU	S	P	1,905	12	AL			
686	0	32	0	s		38.0	0.26	Palestine; MisU	S	P	2,010	18	AL			
687	0	1	0	s				Waltersburg; MisU	S	P	2,210	19	AL			
688	0	21	0	s	W	38.0	s	Tar Springs; MisU	S	P	2,240	15	AL			
689	0	2	0	s		39.0	s	Cypress; MisU	S	P	2,565	8	AL			
690	0			s				Bethel; MisU <sup>25</sup>	S	P	2,735	s	AL			
691	0	9	0	s				Aux Vases; MisU	S	P	2,845	14	AL			
692	0	0	0	s				Rosiclare; MisL <sup>25</sup>	SL	P	2,904	6	MC			
693	0	0	0	s				McClosky; MisL	OL	P	2,870	2	MC			
694	0	4	0	s												
695	0	0	0	s				McClosky; MisL	OL	P	3,038	3	MC	MisL	3,149	
696	0	5	0	s		38.6	0.16	McClosky; MisL	OL	P	3,340	12	AC	Dev	5,377	
697	0	104	0	s												
698	0	73	0	s		39.8	0.14	Aux Vases; MisU	S	P	3,320	16	A	MisL	3,520	
699	0	1	0	s				Lower O'Hara; MisL	OL	P	3,317	11	AC			
700	0	0	0	s				Rosiclare; MisL	SL	P	3,344	8	AC			
701	0	23	0	s		38.0	0.16	McClosky; MisL	OL	P	3,440	5	AC			
702	0	7	0	s												
703	0	3	0	s		36.6	0.28	Silurian; Sil	L	P	1,900	14	M	Sil	1,998	
704	0	336	s	s	G											
705	0	1	0	s				Bridgeport; Pen	S	P	1,368	22	AL	MisL	2,762	
706	0	36	0	s	G	35.4	0.20	Biehl; Pen	S	P	1,470	25	AL			
707	0	2	0	s				Jordan; Pen	S	P	1,520	15	AL			
708	0	3	0	s				Palestine; MisU	S	P	1,580	10	AL			
709	0			s				Waltersburg; MisU <sup>25</sup>	S	P	1,688	11	AL			
710	0	7	0	s				Tar Springs; MisU	S	P	1,790	15	AL			
711	0			s				Jackson; MisU <sup>25</sup>	S	P	2,020	25	AL			
712	0	202	s	s		37.0	0.17	Cypress; MisU	S	P	2,025	15	AL			
713	0	2	0	s				Bethel; MisU	S	P	2,110	15	AL			
714	0	5	0	s				Lower O'Hara; MisL	OL	P	2,320	5	AC			
715	0	4	0	s		36.6	0.26	Rosiclare; MisL	S	P	2,350	5	AC			
716	0	33	0	s		38.4	0.42	McClosky; MisL	OL	P	2,360	5	AC			
717	0	41	0	s												
718	0	2	0	s												
719	0	1	0	s		30.0	0.25	Waltersburg; MisU	S	P	1,878	11	ML	MisL	3,500	
720	0	1	0	s				Tar Springs; MisU	S	P	1,930	6	ML			
721	0	4	0	s												
722	0	1	0	s				Aux Vases; MisU	S	P	3,100	19	ML	MisL	3,354	

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Area Proved, Acres <sup>b</sup>	Gas Production		Number of Oil and/or Gas Wells <sup>c</sup>			
			Total Production, Bbl <sup>e</sup>			Area Proved, Acres <sup>b</sup>	Millions Cu Ft <sup>e</sup>		1946		
			To End of 1946	During 1946			To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
723			x	x			0	0	3	0	0
724	Mt. Erie South, Wayne.....	1939 <sup>45</sup>	360	221,000	42,000	x	0	0	10	1	3
725			x	x	x	x	0	0	3	0	0
726			x	x	x	x	0	0	2	0	1
727			x	x	x	x	0	0	2	0	1
728			x	x	x	x	0	0	2	0	1
729			x	x	x	x	0	0	1	1	0
730	Mt. Olive, Montgomery.....	1942	30	1,000	0		0	0	3	0	0
731	Mt. Vernon, Jefferson.....	1943	160	130,000	26,000	x	0	0	7	0	2
732			x	x	x	x	0	0	3	0	0
733			x	x	x	x	0	0	0	0	0
734			x	x	x	x	0	0	3	0	1
735			x	x	x	x	0	0	1	0	1
736	Nason, Jefferson.....	1943	20	8,000	2,000	x	0	0	1	0	0
737	New Bellair, Crawford.....	1942	20	10,000	1,000	x	0	0	2	0	0
738	New Harmony-Griffin Consolidated, White, Wabash.....	1939	8,960	39,029,000	3,123,000	x	0	0	887	24	12
739			x	x	x	x	0	0	2	0	0
740			x	x	x	x	0	0	12	0	0
741			x	x	x	x	0	0	1	1	0
742			x	x	x	x	0	0	1	0	0
743			x	x	x	x	0	0	23	1	0
744			x	x	x	x	0	0	40	3	0
745			x	x	x	x	0	0	134	9	4
746			x	x	x	x	0	0	12	0	0
747			x	x	x	x	0	0	135	1	0
748			x	x	x	x	0	0	208	4	1
749			x	x	x	x	0	0	0	0	0
750			x	x	x	x	0	0	2	0	0
751			x	x	x	x	0	0	111	1	5
752			x	x	x	x	0	0	206	4	2
753	New Harmony South, White.....	1941	50	50,000	5,000	x	0	0	4	0	0
754			x	x	x	x	0	0	1	0	0
755			x	x	x	x	0	0	1	0	0
756			x	x	x	x	0	0	1	0	0
757			x	x	x	x	0	0	1	0	0
758	New Harmony South (Ind.), White.....	1946	60	62,000	62,000	x	0	0	6	6	0
759			x	x	x	x	0	0			
760			x	x	x	x	0	0	1	1	0
761			x	x	x	x	0	0	3	3	0
762			x	x	x	x	0	0	2	2	0
763	New Haven, White.....	1941	300	551,000	49,000	x	0	0	23	0	1
764			x	x	x	x	0	0	4	0	1
765			x	x	x	x	0	0	1	0	0
766			x	x	x	x	0	0	7	0	0
767			x	x	x	x	0	0	5	0	0
768			x	x	x	x	0	0	1	0	0
769			x	x	x	x	0	0	5	0	0
770	New Haven North, White.....	1944	20	9,000	3,000	x	0	0	2	0	0
771	New Haven West, Gallatin.....	1944	160	326,000	124,000	x	0	0	16	1	0
772	Newton, Jasper.....	1944	60	11,000	10,000	x	0	0	3	2	1
773			x	x	x	x	0	0	2	2	0
774			x	x	x	x	0	0	1	0	1
775	Newton North, Jasper.....	1945	20	5,000	4,000	x	0	0	1	0	0
776	Noble, Richland, Clay.....	1937	5,600	21,632,000	1,858,000	x	x	x	312	1	18
777			x	x	x	x	x	x	47	0	4
778			x	x	x	x	0	0	1	0	0
779			x	x	x	x	0	0	0	0	0
780			x	x	x	x	0	0	263	1	14
781			x	x	x	x	0	0	1	0	0
782	Noble North, Richland.....	1938	1,860	3,794,000	287,000	x	x	x	101	3	1
783			x	x	x	x	x	x	93	2	1
784			x	x	x	x	0	0	1	1	0

<sup>45</sup> Abandoned 1941, revived 1942.

TABLE I—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>b</sup>	Character of Oil <sup>c</sup>		Producing Formation					Deepest Zone Tested <sup>d</sup> to End of 1946		
	Oil <sup>2e</sup>			Initial	Avg/End 1946		Gravity API at 60°F <sup>e</sup>	Sulphur, Pct	Name and Age <sup>f</sup>	Character <sup>g</sup>	Porosity, Pct	Depth to Top of Pro- ducing Zone, Ft <sup>m</sup>	Productive Thickness, Avg Ft., r. Net	Structure <sup>h</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Gas	Gas													
723	0	3	0	s	s		s	s	McClosky; MisL	OL	P	3,236	4	MC		
724	0	5	0	s	s		s	s		S	P				MisL	3,330
725	0	2	0	s	s		37.2	0.14	Aux Vases; MisU	S	P	3,070	15	AL		
726	0	1	0	s	s		s	s	Lower O'Hara; MisL	OL	P	3,120	8	AC		
727	0	1	0	s	s		s	s	Rosiclare; MisL	OL	P	3,155	10	AC		
728	0	0	0	s	s		31.7	s	McClosky; MisL	OL	P	3,165	10	AC		
729	0	1	0	s	s		s	s								
730	0	1	0	s	s		33.2	0.16	Pottsville; Pen	S	P	600	5	A	Pen	
731	0	3	0	s	s		s	s							MisL	3,008
732	0	1	0	s	s		s	s	Aux Vases; MisU	S	P	2,680	10	AL		
733	0	0	0	s	s		s	s	Lower O'Hara; MisL <sup>2e</sup>	L	P	2,755	5	AC		
734	0	2	0	s	s		39.2	0.18	McClosky; MisL	L	P	2,800	6	AC		
735	0	0	0	s	s		s	s								
736	0	1	0	s	s		s	s	Rosiclare; MisL	S	P	2,790	10	MC	MisL	2,805
737	0	1	0	s	s		s	s	Pennsylvanian; Pen	S	P	1,170	30	ML	Dev	2,760
738	0	846	0	s	s	P	s	s							MisL	3,220
739	0	2	0	s	s	P	s	s	Jamestown; Pen	S	P	717	13	AL		
740	0	12	0	s	s	P	s	s	Biehl; Pen	S	P	1,850	20	AL		
741	0	1	0	s	s		s	s	Degonia; MisU	S	P	1,925	20	AL		
742	0	1	0	s	s		s	s	Clare; MisU	S	P	1,980	10	AL		
743	0	23	0	s	s	P	37.6	0.40	Waltersburg; MisU	S	P	2,155	20	AL		
744	0	39	0	s	s	P	36.0	0.19	Tar Springs; MisU	S	P	2,215	20	AL		
745	0	125	0	s	s	P	s	s	Cypress; MisU	S	P	2,570	30	AL		
746	0	10	0	s	s		s	s	Paint Creek; MisU	S	P	2,660	20	AL		
747	0	129	0	s	s	P	36.0	0.24	Bethel; MisU	S	P	2,700	25	A		
748	0	170	0	s	s	P	36.4	0.19	Aux Vases; MisU	S	P	2,825	15	AC		
749	0	3	0	s	s	P	s	s	Lower O'Hara; MisL	OL	P	2,900	5	AC		
750	0	2	0	s	s		s	s	Rosiclare; MisL	SL	P	2,905	10	AC		
751	0	80	0	s	s	P	39.2	0.33	McClosky; MisL	OL	P	2,925	8	AC		
752	0	249	0	s	s		s	s								
753	0	1	0	s	s		s	s							MisL	3,207
754	0	1	0	s	s		s	s	Waltersburg; MisU	S	P	2,250	20	MF		
755	0	0	0	s	s		s	s	Tar Springs; MisU	S	P	2,355	16	MF		
756	0	0	0	s	s		s	s	Bethel; MisU	S	P	2,820	15	MF		
757	0	0	0	s	s		s	s	McClosky; MisL	OL	P	3,010	8	MF		
758	0	6	0	s	s		s	s							MisL	3,068
759	0	1	0	s	s		s	s	Degonia; MisU <sup>2e</sup>	S	P	1,850	8	MF		
760	0	3	0	s	s		s	s	Palestine; MisU	S	P	1,950	10	MF		
761	0	3	0	s	s		s	s	Waltersburg; MisU	S	P	2,100	25	MF		
762	0	2	0	s	s		s	s								
763	0	22	0	s	s		s	s							MisL	2,900
764	0	3	0	s	s		36.4	0.27	Tar Springs; MisU	S	P	2,100	10	ALf		
765	0	1	0	s	s		s	s	Hardinsburg; MisU	S	P	2,250	10	ALf		
766	0	7	0	s	s		s	s	Cypress; MisU	S	P	2,435	12	ALf		
767	0	5	0	s	s		s	s	Aux Vases; MisU	S	P	2,715	17	ALf		
768	0	1	0	s	s		s	s	McClosky; MisL	OL	P	2,830	6	MC		
769	0	5	0	s	s		s	s								
770	0	2	0	s	s		s	s	Tar Springs; MisU	S	P	2,175	10	ML	MisL	2,986
771	0	15	0	s	s		s	s	Tar Springs; MisU	S	P	2,100	20	Af	MisL	2,950
772	0	2	0	s	s		s	s							MisL	3,022
773	0	2	0	s	s		s	s	Rosiclare; MisL	L	P	2,940	10	MC		
774	0	0	0	s	s		s	s	McClosky; MisL	L	P	2,930	5	MC		
775	0	1	0	s	s		s	s	McClosky; MisL	L	P	2,856	5	MC	MisL	2,863
776	0	243	x	s	s	W	s	s							MisL	3,200
777	0	105	x	s	s		34.6	0.27	Cypress; MisU	S	P	2,550	25	A		
778	0	1	0	s	s		s	s	Aux Vases; MisU	S	P	2,920	15	ML		
779	0	2	0	s	s		s	s	Lower O'Hara; MisL	OL	P	2,957	2	AC		
780	0	130	0	s	s	W	39.0	0.17	McClosky; MisL	OL	P	2,960	6	AM		
781	0	5	0	s	s		s	s								
782	0	97	x	s	s		s	s							MisL	3,063
783	0	90	x	s	s		s	s	Cypress; MisU	S	P	2,560	20	A		
784	0	1	0	s	s		s	s	Rosiclare; MisL	L	P	2,960	10	A		

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>f</sup>		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>g</sup>	Millions Cu Ft <sup>e</sup>		1946	
				To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed
785			x	x	x	x	x	7	0	0
786			x	x	x	x	x	0	0	0
787	Noble South, Richland	1937	140	577,000	26,000	0	0	11	0	0
788	Odin, Marion	1945	210	219,000	135,000	0	0	21	0	0
789	Olney, Richland	1937	850	1,671,000	77,000	0	0	52	2	2
790			x	x	x	x	x	3	2	0
791			x	x	x	x	x	49	0	2
792	Olney East, Richland	1944	460	553,000	203,000	0	0	25	4	1
793			x	x	x	x	x	0	0	0
794			x	x	x	x	x	0	0	0
795			x	x	x	x	x	24	3	1
796			x	x	x	x	x	1	1	0
797	Olney South, Richland	1938 <sup>46</sup>	40	x	0	0	0	2	0	0
798	Omaha, Gallatin	1940	350	1,227,000	136,000	x	x	21	0	0
799			x	x	x	x	x	17	0	0
800			x	x	x	x	x	4	0	0
801			x	x	x	x	x	0	0	0
802	Omaha East, Gallatin	1946	20	3,000	3,000	0	0	1	1	0
803	Omega, Marion	1946	20	0	0	0	0	1	1	0
804	Panama gas, Bond	1940				x	x	4	1	0
805	Parkersburg Consolidated, Richland, Edwards	1941	2,100	4,218,000	513,000	0	0	97	34	1
806			x	x	x	x	x	1	0	0
807			x	x	x	x	x	0	0	0
808			x	x	x	x	x	1	0	0
809			x	x	x	x	x	0	0	0
810			x	x	x	x	x	2	2	0
811			x	x	x	x	x	90	31	1
812			x	x	x	x	x	2	1	0
813	Parkersburg North, Richland	1945	20	5,000	4,000	0	0	1	0	0
814	Parkersburg West, Richland, Edwards	1943	110	63,000	11,000	0	0	4	0	1
815			x	x	x	x	x	1	0	0
816			x	x	x	x	x	3	0	1
817	Passport, Clay	1945	80	81,000	39,000	0	0	4	0	0
818			x	x	x	x	x	0	0	0
819			x	x	x	x	x	1	0	0
820			x	x	x	x	x	2	0	0
821			x	x	x	x	x	1	0	0
822	Patoka, Marion	1937	900	6,721,000	1,644,000	0	0	164	6	3
823			x	x	x	x	x	159	6	2
824			x	x	x	x	x	4	0	0
825			x	x	x	x	x	1	0	1
826	Patoka East, Marion	1941	500	2,696,000	236,000	0	0	59	0	1
827			x	x	x	x	x	54	0	1
828			x	x	x	x	x	5	0	0
829	Patton, Wabash	1940	110	31,000	9,000	0	0	8	0	0
830			x	x	x	x	x	5	0	0
831			x	x	x	x	x	1	0	0
832			x	x	x	x	x	0	0	0
833			x	x	x	x	x	1	0	0
834			x	x	x	x	x	1	0	0
835	Patton West, Wabash	1943	620	294,000	104,000	0	0	44	11	3
836			x	x	x	x	x	10	8	0
837			x	x	x	x	x	20	2	1
838			x	x	x	x	x	0	0	0
839			x	x	x	x	x	3	0	0
840			x	x	x	x	x	0	0	0
841			x	x	x	x	x	1	0	0
842			x	x	x	x	x	6	1	2
843			x	x	x	x	x	4	0	0
844	Phillipstown Consolidated, White	1939	2,500	4,728,000	1,005,000	0	0	174	13	4
845			x	x	x	x	x	3	0	0
846			x	x	x	x	x	8	1	0
847			x	x	x	x	x	9	2	0
848			x	x	x	x	x	22	4	1

<sup>46</sup> Abandoned 1938.

TABLE I—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>		Character of Oil <sup>1</sup>		Producing Formation					Deepest Zone Tested <sup>b</sup> to End of 1946		
	Flowing	Oil <sup>2c</sup>		Initial	Avg/End 1946	Gravity API at 60°F <sup>4</sup>	Sulphur, Pct	Name and Age <sup>1</sup>	Character <sup>2</sup>	Porosity, Pct <sup>3</sup>	Depth to Top of Pro- ducing Zone, Ft <sup>5</sup>	Productive Thickness, Avg Ft., Net	Structure	Name	Depth of Hole, Ft
		Artificial Gas	Gas												
785	0	5	z	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	2,940	7	AM		
786	0	1	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,045	5	AM	MisL	3,201
787	0	8	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	1,750	13	AI	Dev	3,597
788	0	21	0	z	z	z	z	Cypress; MisU	S	P	3,060	8	A	MisL	3,289
789	0	30	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	3,050	10	A		
790	0	3	0	z	z	z	z	Lower O'Hara; MisL <sup>s</sup>	OL	P	3,050	3	A		
791	0	27	0	z	z	z	37.2	McClosky; MisL <sup>s</sup>	OL	P	3,055	3	A		
792	0	24	0	z	z	z	0.19	McClosky; MisL <sup>s</sup>	OL	P	3,080	10	A	MisL	3,181
793	0	z	z	z	z	z	z	Lower O'Hara; MisL <sup>25</sup>	L	P	3,067	20	z		
794	0	z	z	z	z	z	z	Rosiclare; MisL <sup>25</sup>	L	P	1,690	20	D	MisL	3,120
795	0	23	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	1,880	15	D	MisL	2,547
796	0	1	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	2,547	10	z		
797	0	0	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	2,547	10	z		
798	0	18	z	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	2,547	10	z		
799	0	12	0	z	z	z	25.9	Palestine; MisU	S	P	1,690	20	D		
800	0	3	z	z	z	z	27.0	Tar Springs; MisU <sup>s</sup>	S	P	1,880	15	D		
801	0	3	0	z	z	z	z	McClosky; MisL <sup>s</sup>	S	P	2,855	9	z	MisL	2,870
802	0	1	0	z	z	z	z	Lower O'Hara; MisL <sup>s</sup>	L	P	2,490	7	D	MisL	2,584
803	0	1	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	556	30	A	Dev-Sil	2,016
804	0	0	4	z	z	z	z	Pennsylvanian; Pen	S	P	556	30	A		
805	0	88	0	z	z	z	z	McClosky; MisL <sup>s</sup>	S	P	2,830	12	A	MisL	3,276
806	0	1	0	z	z	z	z	Cypress; MisU	S	P	2,953	17	A		
807	0	1	0	z	z	z	z	Paint Creek; MisU	S	P	2,930	10	A		
808	0	1	0	z	z	z	z	Bethel; MisU	S	P	3,070	10	AC		
809	0	0	0	z	z	z	z	Lower O'Hara; MisL <sup>s</sup>	OL	P	3,100	7	A		
810	0	2	0	z	z	z	z	Rosiclare; MisL <sup>s</sup>	SL	P	3,135	9	A		
811	0	76	0	z	z	z	38.0	McClosky; MisL <sup>s</sup>	OL	P	3,087	6	z	MisL	3,212
812	0	7	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,220	4	AC	MisL	3,331
813	0	1	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	3,250	5	AC		
814	0	2	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	3,000	2	A		
815	0	1	0	z	z	z	z	Lower O'Hara; MisL <sup>s</sup>	L	P	3,000	2	A		
816	0	1	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	3,005	8	A		
817	0	4	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	1,410	25	D	Dev	3,142
818	0	2	0	z	z	z	z	Lower O'Hara; MisL <sup>s</sup>	L	P	1,560	15	D		
819	0	0	0	z	z	z	z	Rosiclare; MisL <sup>s</sup>	SL	P	2,835	8	D		
820	0	2	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	1,340	19	A	MisL	1,740
821	0	0	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	1,465	10	A		
822	0	102	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	1,470	15	AL		
823	0	98	0	z	z	z	37.0	Bethel; MisU	S	P	1,685	6	AL		
824	0	4	0	z	z	z	40.9	Rosiclare; MisL <sup>s</sup>	S	P	2,250	z	MC		
825	0	0	0	z	z	z	40.0	Devonian; Dev	L	P	2,310	4	MC		
826	0	53	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,542	22	AL	MisL	2,571
827	0	46	0	z	z	z	36.0	Cypress; MisU	S	P	2,029	12	AL		
828	0	7	0	z	z	z	36.1	Bethel; MisU	S	P	2,139	20	AL		
829	0	6	0	z	z	z	z	McClosky; MisL <sup>s</sup>	S	P	2,283	4	AL		
830	0	4	0	z	z	z	z	McClosky; MisL <sup>s</sup>	S	P	2,308	4	AC		
831	0	0	0	z	z	z	z	Biehl; Pen	S	P	2,318	4	AC		
832	0	0	0	z	z	z	z	Tar Springs; MisU	S	P	2,346	6	AC		
833	0	1	0	z	z	z	z	Rosiclare; MisL <sup>25</sup>	SL	P	795	10	MF	Dev	5,350
834	0	1	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,340	10	MF		
835	0	40	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,450	15	MF		
836	0	10	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
837	0	19	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
838	0	z	z	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
839	0	3	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
840	0	z	z	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
841	0	1	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
842	0	3	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
843	0	4	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
844	0	156	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
845	0	3	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
846	0	8	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	1,975	10	MF		
847	0	9	0	z	z	z	36.2	Pennsylvanian; Pen	S	P	1,450	15	MF		
848	0	21	0	z	z	z	z	Pennsylvanian; Pen	S	P	1,450	15	MF		
	0	z	z	z	z	z	z	Degonia; MisU	S	P	1,975	10	MF		

TABLE 1—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>f</sup>		
			Total Production, Bbl <sup>e</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946		
			To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
849			x	x	x	0	0	2	0	0
850			x	x	x	0	0	2	0	0
851			x	x	x	0	0	0	0	0
852			x	x	x	0	0	43	2	1
853			x	x	x	0	0	0	0	0
854			x	x	x	0	0	3	0	0
855			x	x	x	0	0	15	0	0
856			x	x	x	0	0	11	2	0
857			x	x	x	0	0	1	1	0
858			x	x	x	0	0	3	0	0
859			x	x	x	0	0	20	0	2
860			x	x	x	0	0	32	1	0
861	Plainview, Macoupin.....	1942	10	800	0	0	0	1	0	0
862	Posey, Clinton.....	1941	20	5,000	300	0	0	2	0	0
863	Raymond, Montgomery.....	1940	60	7,000	1,000	0	0	6	0	0
864	Richview, Washington.....	1946	10	x	x	0	0	1	1	0
865	Ridgway, Gallatin.....	1946 <sup>47</sup>	20	0	0	0	0	1	1	1
866	Rinard, Wayne.....	1937 <sup>48</sup>	20	15,000	0	0	0	1	0	0
867	Roaches, Jefferson.....	1938	160	491,000	21,000	0	0	12	0	0
868			x	x	x	0	0	2	0	0
869			x	x	x	0	0	5	0	0
870			x	x	x	0	0	4	0	0
871			x	x	x	0	0	1	0	0
872	Roaches North, Jefferson.....	1944	400	742,000	205,000	0	0	34	0	0
873			x	x	x	0	0	32	0	0
874			x	x	x	0	0	1	0	0
875			x	x	x	0	0	1	0	0
876	Roland, White, Gallatin.....	1940	2,550	6,633,000	748,000	0	0	171	8	5
877			x	x	x	0	0	0	0	0
878			x	x	x	0	0	75	4	3
879			x	x	x	0	0	3	0	0
880			x	x	x	0	0	21	0	0
881			x	x	x	0	0	0	0	0
882			x	x	x	0	0	17	1	0
883			x	x	x	0	0	17	1	0
884			x	x	x	0	0	0	0	0
885			x	x	x	0	0	2	1	0
886			x	x	x	0	0	36	1	0
887	Ruark, Lawrence.....	1941	30	5,000	1,000	0	0	3	1	0
888			x	x	x	0	0	2	0	0
889			x	x	x	0	0	1	1	0
890	Rural Hill, Hamilton.....	1941	3,100	9,228,000	575,000	0	0	205	2	6
891			x	x	x	0	0	0	0	0
892			x	x	x	0	0	0	0	0
893			x	x	x	0	0	0	0	0
894			x	x	x	0	0	99	2	3
895			x	x	x	0	0	21	0	0
896			x	x	x	0	0	2	0	0
897			x	x	x	0	0	21	0	3
898			x	x	x	0	0	62	0	0
899	Rural Hill West, Hamilton.....	1945	10	4,000	3,000	0	0	1	0	0
900	Russellville gas, Lawrence.....	1937	0	0	1,800	6,892	336	60	0	1
901			0	0	0	x	x	18	0	0
902			0	0	0	x	x	42	0	1
903	St. Francisville East, Lawrence.....	1941	130	142,000	17,000	0	0	11	1	0
904	St. Jacob, Madison.....	1942	1,129	1,707,000	253,000	0	0	53	0	0
905	St. James, Fayette.....	1938	2,000	9,199,000	754,000	0	0	187	0	7
906	St. Paul, Fayette.....	1941	190	332,000	42,000	0	0	14	1	2
907	Ste. Marie, Jasper.....	1941	620	538,000	27,000	0	0	20	0	0
908	Sailor Springs Consolidated, Clay.....	1941	1,870	2,589,000	408,000	0	0	121	7	1
909			x	x	x	0	0	39	2	1
910			x	x	x	0	0	0	0	0
911			x	x	x	0	0	71	4	0
912			x	x	x	0	0	1	1	0

<sup>47</sup> Abandoned 1946.<sup>48</sup> Abandoned 1941.



TABLE I—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1946			Reservoir Pressure, Psi <sup>b</sup>		Secondary Recovery <sup>c</sup>	Character of Oil <sup>d</sup>		Producing Formation						Deepest Zone Tested <sup>e</sup> to End of 1946	
	Flowing	Oil <sup>26</sup>		Initial	Avg/End 1946		Gravity API at 60°F <sup>g</sup>	Sulphur, Pct	Name and Age <sup>j</sup>	Character <sup>k</sup>	Porosity, Pct <sup>l</sup>	Depth to Top of Pro- ducing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg Ft., Net	Structure	Name	Depth of Hole, Ft
		Artificial Gas	Gas													
849	0	0	0	0	0	36.0	0.17	Clare; MisU	S	P	2,010	10	MF			
850	0	0	0	0	0	36.0	0.17	Palestine; MisU	S	P	2,050	10	MF			
851	0	0	0	0	0	36.0	0.17	Waltersburg; MisU	S	P	2,280	10	MF			
852	0	0	0	0	0	36.0	0.17	Tar Springs; MisU	S	P	2,295	15	AL			
853	0	0	0	0	0	36.0	0.17	Cypress; MisU	S	P	2,720	12	AF			
854	0	0	0	0	0	36.0	0.17	Paint Creek; MisU	S	P	2,780	9	AF			
855	0	0	0	0	0	36.0	0.17	Bethel; MisU	S	P	2,810	12	AF			
856	0	0	0	0	0	39.4	0.22	Aux Vases; MisU	S	P	2,880	15	AF			
857	0	0	0	0	0	39.4	0.22	Lower O'Hara; MisL	S	P	3,011	10	AC			
858	0	0	0	0	0	38.2	0.21	Rosiclare; MisL	SL	P	2,960	10	AC			
859	0	0	0	0	0	38.2	0.21	McClosky; MisL	OL	P	3,000	6	AC			
860	0	0	0	0	0	35.8	0.17	Pennsylvanian; Pen	S	P	400	20	z	Pen	421	
861	0	0	0	0	0	35.8	0.17	Cypress; MisU	S	P	1,100	5	M	MisU	1,265	
862	0	0	0	0	0	34.8	0.22	Pottsville; Pen	S	P	580	15	ML	MisL	1,001	
863	0	0	0	0	0	34.8	0.22	Cypress; MisU	S	P	1,520	7	AL	MisL	1,932	
864	0	0	0	0	0	38.5	0.21	McClosky; MisL	L	P	2,845	6	MF	MisL	2,938	
865	0	0	0	0	0	38.5	0.21	McClosky; MisL	OL	P	3,145	5	AC	MisL	3,154	
866	0	0	0	0	0	38.5	0.21	McClosky; MisL	OL	P	3,145	5	AC	MisL	3,840	
867	0	0	0	0	0	38.5	0.21	McClosky; MisL	OL	P	3,145	5	AC	Dev	3,840	
868	0	0	0	0	0	38.5	0.21	McClosky; MisL	OL	P	3,145	5	AC	Dev	3,840	
869	0	0	0	0	0	37.0	0.22	Lower O'Hara; MisU	L	P	2,170	5	AC			
870	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,190	12	AC			
871	0	0	0	0	0	37.0	0.22	McClosky; MisL	L	P	2,210	7	AC			
872	0	0	0	0	0	37.0	0.22	McClosky; MisL	L	P	2,210	7	AC			
873	0	0	0	0	0	37.0	0.22	McClosky; MisL	L	P	2,210	7	AC			
874	0	0	0	0	0	37.0	0.22	Bethel; MisU	S	P	1,925	12	A	MisL	2,283	
875	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
876	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
877	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
878	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
879	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
880	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
881	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
882	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
883	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
884	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
885	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
886	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
887	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
888	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
889	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
890	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
891	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
892	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
893	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
894	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
895	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
896	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
897	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
898	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
899	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
900	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
901	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
902	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
903	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
904	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
905	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
906	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
907	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
908	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
909	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
910	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
911	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			
912	0	0	0	0	0	37.0	0.22	Rosiclare; MisL	S	P	2,120	12	AC			

TABLE I—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>		
			Total Production, Bbl <sup>e</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		Completed to End of 1946	1946	
			To End of 1946	During 1946		To End of 1946	During 1946		Completed	Abandoned
913			x	x			0	6	0	0
914			x	x			0	4	0	0
915	Sailor Springs East, Clay	1944	100	38,000	10,000		0	9	0	0
916	Salem, Marion	1938	9,600	198,055,000	5,905,000		0	2,455	1	12
917			x	x	x		0	485	0	1
918			x	x	x		0	152	0	0
919			x	x	x		0	9	0	0
920			x	x	x		0	552	1	0
921			x	x	x		0	0	0	0
922			x	x	x		0	8	0	0
923			6,200	34,753,000	371,000		0	541	0	9
924			x	82,675,000	180,000		0	2	0	0
925				2,855			0	706	0	2
926	Samsville, Edwards	1942 <sup>49</sup>	20	800	0		0	1	0	0
927	Samsville North, Edwards	1945	190	54,000	50,000		0	14	12	1
928	Sandoval West, Clinton	1946	10	5,000	5,000		0	1	1	0
929	Santa Fe, Clinton	1944	10	1,000	300		0	1	0	0
930	Schnell, Richland	1938	80	205,000	4,000		0	4	0	1
931	Seminary, Richland	1945	40	47,000	17,000		0	2	0	0
932	Sesser, Franklin	1942	60	79,000	15,000		0	5	0	2
933			x	x	x		0	4	0	2
934			x	x	x		0	0	0	0
935			x	x	x		0	0	0	0
936			x	x	x		0	0	0	0
937			x	x	x		0	1	0	0
938	Shattuc, Clinton	1945	20	6,000	3,000		0	2	0	0
939	Shawneetown, Gallatin	1945	10	500	300		0	1	0	0
940	Shelbyville, Shelby	1946	10	0	0		0	1	1	0
941	Sims, Wayne	1941	2,050	3,680,000	245,000		0	63	1	1
942			x	x	x		0	12	0	0
943			x	x	x		0	0	0	0
944			x	x	x		0	33	1	1
945			x	x	x		0	18	0	0
946			x	x	x		0	3	0	0
947	Sorento, Bond	1938 <sup>50</sup>	30	4,000	0		0	14	5	0
948	Stanford, Clay	1945	240	502,000	397,000		0	8	2	0
949			x	x	x		0	4	2	0
950			x	x	x		0	2	1	0
951			x	x	x		0	15	15	0
952	Stanford South, Clay	1946	200	67,000	67,000		0	12	12	0
953			x	x	x		0	0	0	0
954			x	x	x		0	3	3	0
955			x	x	x		0	6	1	0
956	Stewardson, Shelby	1939	80	76,000	10,000		0	174	89	3
957	Stokes-Brownsville, White	1939	2,320	4,035,000	1,941,000		0	2	2	0
958			x	x	x		0	2	0	0
959			x	x	x		0	85	65	0
960			x	x	x		0	9	5	0
961			x	x	x		0	11	0	2
962			x	x	x		0	11	0	0
963			x	x	x		0	7	0	0
964			x	x	x		0	5	2	0
965			x	x	x		0	10	9	0
966			x	x	x		0	17	2	0
967			x	x	x		0	15	4	1
968			x	x	x		0	168	10	8
969	Storms, White	1939	1,800	5,119,000	358,000		0	161	5	7
970			x	x	x		0	3	3	0
971			x	x	x		0	1	0	0
972			x	x	x		0	0	0	0
973			x	x	x		0	1	0	0
974			x	x	x		0	2	2	1
975			x	x	x		0	7	0	0
976	Stringtown, Richland	1941	210	228,000	22,000		0	0	0	0

<sup>49</sup> Abandoned 1942.<sup>50</sup> Abandoned 1944.

TABLE I—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1946			Reservoir Pressure, Psi <sup>2</sup>		Secondary Recovery <sup>b</sup>	Character of Oil <sup>c</sup>		Producing Formation						Deepest Zone Tested <sup>d</sup> to End of 1946	
	Flowing	Oil <sup>2e</sup>		Initial	Avg/End 1946		Gravity API at 60°F <sup>s</sup>	Sulphur, Pct	Name and Age <sup>f</sup>	Character <sup>g</sup>	Porosity, Pct	Depth to Top of Pro- ducing Zone, Fm <sup>h</sup>	Productive Thickness, Avg Ft., Net	Structure <sup>e</sup>	Name	Depth of Hole, Ft
		Artificial Gas	Gas													
913	0	4	0	z	z	36.4	z	McClosky; MisL <sup>s</sup>	OL	P	3,000	5	A			
914	0	6	0	z	z	z	z	z	S	P	2,690	8	D	MisL	3,162	
915	0	6	0	z	z	z	z	Cypress; MisU	S	P	2,690	8	D	Prairie du Chien	5,655	
916	8	2,161	0	z	z	z	z	z	S	P	1,780	40	A			
917	0	378	0	z	z	38.2	0.19	Bethel; MisU	S	P	1,825	40	A			
918	0	91	0	z	z	38.6	0.21	Aux Vases; MisU	S	P	1,950	5	AL			
919	0	7	0	z	z	z	z	Rosiclare; MisL	S	P	1,990	17	A			
920	0	338	0	z	z	z	z	McClosky; MisL	OL	P	2,100	17	A			
921	0	2	0	z	z	z	z	St. Louis; MisL	L	P	2,160	17	A			
922	0	0	0	z	z	z	z	Salem; MisL	L	P	3,440	45	A			
923	3	322	0	z	z	42.1	0.28	Devonian; Dev	L	Cav	4,500	50	A			
924	4	40	0	z	z	z	z	"Trenton"; Ord <sup>s</sup>	L	Cav	4,500	50	A			
925	1	985	0	z	z	z	z	z	S	P	2,430	4	z	MisL	3,295	
926	6	0	0	z	z	z	z	Waltersburg; MisU	S	P	2,880	6	A	MisL	3,203	
927	0	13	0	z	z	z	z	Bethel; MisU	S	P	1,420	6	A	MisU	1,560	
928	0	1	0	z	z	z	z	Cypress; MisU	S	P	950	19	z	Dev	2,512	
929	0	1	0	z	z	z	z	Cypress; MisU	S	P	3,000	6	AC	MisL	3,150	
930	0	3	0	z	z	37.0	0.19	McClosky; MisL	OL	P	3,200	3	AC	MisL	3,333	
931	0	2	0	z	z	z	z	McClosky; MisL	L	P	2,700	7	z	Dev	4,688	
932	0	3	0	z	z	z	z	z	S	P	2,836	16	z			
933	0	2	0	z	z	39.2	0.17	Aux Vases; MisU	L	P	2,856	7	z			
934	0	1	0	z	z	z	z	Lower O'Hara; MisL	L	P	2,856	7	z			
935	0	0	0	z	z	z	z	Rosiclare; MisL <sup>25</sup>	S	P	1,280	7	AL	MisL	1,750	
936	0	0	0	z	z	z	z	McClosky; MisL <sup>25</sup>	L	P	2,650	14	MF	MisL	2,837	
937	0	0	0	z	z	z	z	z	S	P	1,830	10	A	MisL	2,002	
938	0	2	0	z	z	z	z	Cypress; MisU	S	P	3,013	15	AL	MisL	3,487	
939	0	1	0	z	z	z	z	Aux Vases; MisU	S	P	3,120	7	AC			
940	0	1	0	z	z	z	z	Aux Vases; MisU	S	P	3,140	7	AC			
941	0	60	0	z	z	z	z	z	OL	P	3,150	8	AC			
942	0	17	0	z	z	40.4	0.20	Aux Vases; MisU	L	P	1,830	5	A	Dev	1,900	
943	0	0	0	z	z	z	z	Lower O'Hara; MisL <sup>25</sup>	L	P	3,039	7	MC	MisL	3,150	
944	0	0	0	z	z	z	z	Rosiclare; MisL <sup>25</sup>	OL	P	3,065	8	MC			
945	0	34	0	z	z	z	z	McClosky; MisL <sup>s</sup>	OL	P	2,960	12	AL	MisL	3,205	
946	0	9	0	z	z	z	z	z	S	P	3,097	7	AC			
947	0	0	0	z	z	35.4	z	Devonian; Dev	L	P	1,940	8	A	MisL	2,138	
948	0	14	0	z	z	z	z	z	S	P	2,085	2	MF	MisL	3,312	
949	0	8	0	z	z	z	z	Rosiclare; MisL	OL	P	2,295	16	MF			
950	0	4	0	z	z	z	z	McClosky; MisL <sup>s</sup>	L	P	2,630	20	A			
951	0	2	0	z	z	z	z	z	S	P	2,660	12	MF			
952	0	15	0	z	z	z	z	z	S	P	2,800	22	AF			
953	0	12	0	z	z	z	z	Aux Vases; MisU	S	P	2,813	8	AF			
954	0	1	0	z	z	z	z	Lower O'Hara; MisL	S	P	2,890	15	AF			
955	0	2	0	z	z	z	z	McClosky; MisL	OL	P	3,035	5	AC			
956	0	6	0	z	z	37.8	0.18	Aux Vases; MisU	SL	P	3,120	6	AC			
957	0	163	0	z	z	z	z	z	OL	P	3,070	10	AC			
958	0	2	0	z	z	z	z	Palestine; MisU	S	P	2,230	40	AL	MisL	3,173	
959	0	1	0	z	z	z	z	Tar Springs; MisU	S	P	2,340	10	AL			
960	0	88	0	z	z	z	z	Hardinsburg; MisU	S	P	2,655	10	AL			
961	0	9	0	z	z	z	z	Cypress; MisU	S	P	3,015	5	AL			
962	0	9	0	z	z	z	z	z	S	P	2,805	14	ML			
963	0	10	0	z	z	z	z	Paint Creek; MisU	S	P	2,805	14	ML			
964	0	5	0	z	z	z	z	Bethel; MisU	S	P	2,805	14	ML			
965	0	2	0	z	z	z	z	Aux Vases; MisU	S	P	2,805	14	ML			
966	0	7	0	z	z	z	z	Lower O'Hara; MisL	OL	P	3,035	5	AC			
967	0	17	0	z	z	z	z	Rosiclare; MisL	SL	P	3,120	6	AC			
968	0	13	0	z	z	35.8	0.26	McClosky; MisL <sup>s</sup>	OL	P	3,070	10	AC			
969	0	144	z	z	z	z	z	z						MisL	3,173	
970	0	135	z	z	z	32.1	0.28	Waltersburg; MisU	S	P	2,230	40	AL			
971	0	4	0	z	z	z	z	Tar Springs; MisU	S	P	2,340	10	AL			
972	0	2	0	z	z	z	z	Cypress; MisU	S	P	2,655	10	AL			
973	0	1	0	z	z	z	z	Aux Vases; MisU	S	P	3,015	5	AL			
974	0	0	0	z	z	z	z	Bethel; MisU	S	P	2,805	14	ML			
975	0	2	0	z	z	z	z	z								
976	0	7	0	z	z	39.8	0.24	McClosky; MisL	OL	P	3,040	8	AC	MisL	3,080	

TABLE I—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>			
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu Ft <sup>e</sup>		1946		
				To End of 1946	During 1946		To End of 1946	During 1946	Completed to End of 1946	Completed	Abandoned
977	Sumner, Lawrence.....	1944	20	7,000	2,000	0	0	1	0	0	
978	Sumpter, White.....	1945	20	5,000	4,000	0	0	2	1	0	
979	Tamaroa, Perry.....	1942	50	10,000	2,000	0	0	3	0	0	
980	Thackeray, Hamilton.....	1944	500	1,201,000	658,000	0	0	43	4	0	
981			x	x	x	0	0	43	4	0	
982			x	x	x	0	0				
983			x	x	x	0	0				
984			x	x	x	0	0				
985	Thompsonville, Franklin.....	1940	220	285,000	5,000	0	0	19	0	2	
986	Thompsonville North, Franklin.....	1944	40	86,000	29,000	0	0	4	0	0	
987	Toliver, Clay.....	1942 <sup>51</sup>	40	6,000	0	0	0	1	0	0	
988	Toliver East, Clay.....	1943	60	137,000	20,000	0	0	3	0	0	
989	Tonti, Marion.....	1939	540	7,779,000	424,000	0	0	62	3	1	
990			x	x	x	0	0	5	0	0	
991			x	x	x	0	0	15	0	0	
992			x	x	x	0	0				
993			x	x	x	0	0				
994			x	x	x	0	0	34	3	0	
995			x	x	x	0	0	6	0	1	
996	Trumbull, White.....	1944	150	137,000	84,000	0	0	2	10	0	
997			x	x	x	0	0	15	5	0	
998			x	x	x	0	0	10	4	0	
999			x	x	x	0	0	4	1	0	
1000	Valier, Franklin.....	1942	20	2,000	0	0	0	1	0	0	
1001	Wagoner, Montgomery.....	1940	40	8,000	1,000	0	0	4	0	0	
1002	Wakefield, Jasper.....	1946	20	1,000	1,000	0	0	1	1	0	
1003	Walpole, Hamilton.....	1941	1,240	3,524,000	423,000	0	0	69	0	0	
1004			x	x	x	0	0	2	0	0	
1005			x	x	x	0	0	67	0	0	
1006	Waltonville, Jefferson.....	1943	60	50,000	15,000	0	0	4	0	0	
1007	Waverly gas, Morgan.....	1946		0	0	80	0	2	2	0	
1008				0	0	40	0	1	1	0	
1009				0	0	40	0	1	1	0	
1010	West End, Hamilton, Saline.....	1944	100	190,000	95,000	0	0	8	4	0	
1011	West Frankfort, Franklin.....	1941	160	600,000	108,000	0	0	15	0	0	
1012			x	x	x	0	0	14	0	0	
1013			x	x	x	0	0	1	0	0	
1014	West Frankfort South, Franklin.....	1943	120	315,000	49,000	0	0	8	0	0	
1015			x	x	x	0	0	5	0	0	
1016			x	x	x	0	0	3	0	0	
1017	Whittington, Franklin.....	1939	100	67,000	10,000	0	0	3	0	0	
1018			x	x	x	0	0	1	0	0	
1019			x	x	x	0	0				
1020			x	x	x	0	0	1	0	0	
1021			x	x	x	0	0	1	0	0	
1022	Whittington West, Franklin.....	1943	60	20,000	8,000	0	0	3	0	0	
1023			x	x	x	0	0	2	0	0	
1024			x	x	x	0	0	1	0	0	
1025	Willow Hill, Jasper.....	1944	360	368,000	207,000	0	0	13	6	1	
1026			x	x	x	0	0	1	1	0	
1027			x	x	x	0	0	12	5	1	
1028	Willow Hill East, Jasper.....	1946	80	29,000	29,000	0	0	4	4	0	
1029	Willow Hill North, Jasper.....	1945	40	17,000	8,000	0	0	2	0	0	
1030	Woburn, Bond.....	1940	210	516,000	32,000	0	0	28	0	0	
1031	Woodlawn, Jefferson.....	1940	1,500	9,658,000	794,000	0	0	153	0	11	
1032			x	x	x	0	0	2	0	1	
1033			x	x	x	0	0	151	0	10	
1034			x	x	x	0	0	0	0	0	
1035			x	x	2,000	0	0	0	0	0	
1036			x	x	x	0	0	0	0	0	
1037	Xenia, Clay.....	1941	20	19,000	2,000	0	0	1	0	0	
1038	Total for fields after Jan. 1, 1937 <sup>52</sup> .....		199,770	783,458,000	70,212,000	12,120	6,923.5	336	16,570	1,310	
1039	Total for Illinois <sup>53</sup> .....		305,795	1,254,235,000	75,297,000	12,125	9,381.2	352	37,515	1,381 <sup>53</sup>	

<sup>51</sup> Abandoned 1944.<sup>52</sup> Total from U.S. Bureau of Mines monthly report.<sup>53</sup> Does not include wildcats which were completed as oil or gas wells but were too small to be considered pool openers.



TABLE 2—Important Wells Drilled in Illinois in 1946

Pool, County	Company and Farm	Location	Total Depth, Ft	Producing Formation	Depth to Top, Ft	Initial Production Bbl <sup>a</sup>	Date of Completion of Discovery Well	Number of Wells Producing in Field Dec. 31 1946
A. Discovery Wells of New Fields								
1 Beaver Creek South, Clinton	J. L. Garard, Vieregg-Mahlandt 1	7-3N-2W	1,146	Bethel	1,131	17; 42	10-22-46	1
2 Boos East, Jasper	Secure Oil, C. L. Ireland 1	11-6N-10E	2,673	Rosiclare; McClosky 1	2,657; 2,672	66; 4	11-12-46	2
3 Browns East, Wabash	Magnolia, W. J. Pfeiffer 1	11-2S-14W	3,950	Cypress	2,896	12; 34	10-1-46	5
4 Clarksburg, Shelby	Sohio, Fleming 1	17-10N-4E	1,788	Bethel	1,774	12; 16	8-12-46	1
5 Concord North, White	C. E. Brehm, Collicotte 1	10-6S-10E	2,960	Aux Vases	2,950	248	10-15-46	4
6 Cooks Mills North, Coles	Nolan, Coombs Est. 1	23-14N-7E	1,795	Rosiclare	1,771	73	6-11-46	8
7 Covington East, Wayne	K and B, Drill Smith 1	21-1S-7E	3,323	Aux Vases	3,123	18; 10	8-12-46	1
8 Crossville, White	Inland Prod., Bister 1	15-4S-10E	3,164	McClosky	2,706	60; 5	10-15-46	2
9 Epsworth East, White	Allen Hanna 1	28-5S-10E	2,743	Cypress	2,720	189	2-5-46	2
10 Flora South, Clay	Deep Rock, Given 1	4-2N-6E	2,938	McClosky	2,921	40; 5	9-3-46	1
11 Friendsville Central, Wabash	G. Eagle, D. Wilkinson 1	14-1N-13W	2,344	Bethel	1,844	15	6-25-46	10
12 Friendsville North, Wabash	Heldt, Smith 1	12-1N-13W	2,536	Rosiclare	2,543	35	6-22-46	10
13 Hidalgo North, Cumberland	Central Pipe Line, S. Meyers 1	36-0N-9E	2,776	Rosiclare	2,648	145; 7	1-22-46	1
14 Hoosier, Clay	N. V. Dan, J. Leonard 1-A	24-N-7E	3,007	Cypress	2,890	30; 2	10-2-46	1
15 Junction North, Gallatin	Eason Oil, N. E. Gibson 1	35-5N-7E	2,923	Aux Vases	2,729	8; 24	10-5-46	1
16 Lancaster Central, Wabash	I. Rank, A. Walter 1	9-6S-0E	2,749	Aux Vases	2,731	60; 6	11-5-46	4
17 Lancaster South, Wabash	S. Malis, W. Fite 1	7-8N-13W	2,909	Rosiclare	2,720	180; 10	8-27-46	1
18 Lillyville, Cumberland	S. Malis, Libhart 1	50-1N-13W	2,354	McClosky	2,150	149	12-10-46	3
19 Marshall, Wabash	N. A. Ab, Pear, C. K. Gammann 1	31-0N-7E	2,322	McClosky	3,254	109	12-10-46	2
20 Marsh North, Wabash	Texas, E. H. White, Smith 1	17-1S-13W	3,202	Lower O'Hara	3,006	26; 26	4-8-46	5
21 Maun North, Wabash	Ray and White, Trust 1	17-1S-13W	2,806	Rosiclare	2,859	19	12-31-46	1
22 Omega East, Gallatin	Deep Rock, Pioneer 1	7-5S-8E	2,460	Lower O'Hara	2,488	89	12-31-46	1
23 Omega, Madison	Doran and Delta, Millican Est. 1	10-3N-4E	2,439	McClosky	2,488	89	8-6-46	1
24 Richview, Washington	N. H. Consumers Oil, Koelling	10-2S-11W	1,552	Cypress	1,520	31	9-17-46	0
25 Ridgway, Gallatin	Pritchett	24-8S-9E	2,938	McClosky	2,842	21	5-14-46	1
26 Shelby West, Clinton	Wiser Oil, Mitscharfer 1	33-2N-1W	1,423	Cypress	1,417	22; 96	12-17-46	15
27 Shelbyville, Shelby	Doran, Thomas 1	21-1N-4E	1,555	Aux Vases	1,580	2; 3	6-11-46	1
28 Seward South, Clay	Britton, Kensil Hirs 1	5-2N-7E	3,205	Aux Vases	2,969	175	10-29-46	2
29 Wakenfeld, Jasper	T. B. Birckson, Howell 1	16-5N-2E	3,184	Rosiclare	3,122	40; 52	8-20-46	2
30 Weaverly, Morgan	J. W. Rudy, Dewhurst 1	22-13N-5W	295	Pennsylvanian	286	1,700,000 cu ft	2-26-46	4
31 Willow Hill East, Jasper	Pure and Carter, Doid 1	6-0N-11E	2,732	McClosky	2,642	100		
B. Discovery Wells of Extensions to Pools								
1 Aden South, Hamilton	Weinert, Hall 1	29-3S-7E	3,446	Aux Vases; Rosiclare	3,249; 3,385	26; 80	6-11-46	
2 Bartleso West, Clinton	Goldschmidt, Loepker 1	19-1N-3W	963	Cypress	938	10; 15	10-1-46	
3 Boos North, Jasper	Lynn, Houser-Sears 1	21-6N-10E	2,812	McClosky	2,800	117	11-19-46	
4 Browns, Wabash	Gilliam and Aspin, H. L. Hering 1	27-1S-14W	2,971	Lower O'Hara	2,965	240	11-12-46	
5 Browns East, Wabash	Magnolia, J. Hirschelman Unit 1	14-2S-14W	2,582	Cypress	2,575	300	12-31-46	
6 Brownsville, White	McBride, Pryor 1	32-5S-9E	3,180	Lower O'Hara	3,099	5; 20	2-26-46	

7	Brownsville, White	Pure, Adams "A" 1	6-9S-9E	3,170	Rosiclare	3,097	100, 118	2-19-46
8	Bungay Consol., Hamilton	Magnolia, Rohrer 1	23-4S-7E	3,290	Aux Vases	3,273	27, 3	6-11-46
9	Calhoun Consol., Richland	Pure, Howard 1	13-2N-9E	3,170	McClosky	3,147	1,505	4-9-46
10	Cisne, Wayne	Lynn, Dye 1	2-1S-7E	3,166	McClosky	3,148	256	3-12-46
11	Clay City Consol., Clay	Robinson and Puckett, S. Bates 1	14-2N-8E	3,035	Rosiclare	3,018	1,322	10-1-46
12	Clay City Consol., Wayne	Redwine, C. E. Downer 1	31-1N-8E	3,216	Lower O'Hara	3,122	115	7-9-46
13	Clay City Consol., Wayne	Slagter, Crisman 1	32-1N-8E	3,153	Aux Vases	3,054	277	8-27-46
14	Clay City Consol., Wayne	Slagter, Trotter 1	20-1N-8E	3,100	McClosky	3,096	66, 7	8-27-46
15	Clay City Consol., Wayne	Slagter, R. Pierce 1	22-2N-8E	3,052	McClosky	3,029	432	9-17-46
16	Clay City Consol., Wayne	Ill. Mid-Cont., H. Miller 1	13-1N-7E	3,148	Rosiclare	3,108	30, 70	9-10-46
17	Clay City Consol., Wayne	Slagter, Gray 1	16-1S-8E	3,231	Aux Vases	3,104	38	9-10-46
18	Clay City Consol., Wayne	Redwine, M. A. Brown 1	31-2N-9E	3,109	McClosky	3,059	6	11-19-46
19	Clay City Consol., Wayne	McCall and Cline, Atterberry 1	14-1N-7E	3,140	Aux Vases	3,016	8, 24	12-17-46
20	Covington East, Wayne	Nation, Gallagher 1	16-1S-7E	3,236	McClosky	3,219	10, 50	10-15-46
21	Epworth East, White	Allen, Williams 1	33-5S-10E	3,126	Aux Vases	3,002	24, 36	10-15-46
22	Friendsville North, Wabash	Leavitt, A. L. Gher 1	1-1N-13W	1,621	Bieh	1,607	83	7-28-46
23	Gallagher, Richland	Pure, Gallagher 1	12-2N-9E	3,181	McClosky	3,166	786	4-9-46
24	Goldengate Consol., Wayne	Fulk, L. B. Ellis 1	29-2S-9E	3,477	Rosiclare	3,408	30, 25	12-3-46
25	Herald, White	Oil Management, Williams 1	11-4N-7E	2,834	Aux Vases	2,863	108, 2	6-25-46
26	Hoosier, Clay	K-B Drill, Hastings 1	14-7S-9E	2,882	Rosiclare	2,916	205	8-27-46
27	Ingraham West, Clay	Brinkerhoff, O. A. Barlow 2	12-4N-7E	2,638	Cypress	2,603	25	4-30-46
28	Ingraham West, Clay	Gilham and Aspin, H. D. Lewis 1	11-5N-7E	2,539	Cypress	2,515	165	11-19-46
29	Iron, White	Natl Assoc. Petr., Fisher 1	15-5N-7E	2,941	Tar Springs	2,870	15, 35	8-27-46
30	Johnsonville West, Wayne	Deep Rock, Ulysses 1	13-6S-8E	2,839	Tar Springs	2,828	84, 20	7-2-46
31	Johnsonville West, Wayne	Markham, Keeler-Ellis 1	30-1N-6E	3,178	McClosky	3,151	71	7-2-46
32	Keenville, Wayne	Markham, Keeler-Ellis 1	25-1N-5E	3,086	McClosky	3,072	12	5-7-46
33	Keenville, Wayne	Mitchell, Cornstubble 1	21-1S-5E	3,126	McClosky	3,118	29, 9	7-30-46
34	Keenville, Wayne	Loper, M. Reding 1	27-1S-5E	1,943	Aux Vases	1,960	175, 300	2-12-46
35	Lawrence, Lawrence	Zaneta, American Natl Bank 1	23-3N-11W	1,793	McClosky	1,849	18, 3	7-23-46
36	Marine, Madison	Gulf, Green 1	14-4N-6W	2,672	McClosky	2,660	80, 170	11-5-46
37	Markham City West, Jefferson	Brehm, Modgin 1	10-3S-4E	3,092	Silurian	3,031	128, 15	9-17-46
38	Markham City West, Jefferson	Lynch, Wright 1	34-2S-4E	3,092	McClosky	3,061	12, 50	5-14-46
39	Mason South, Clay	Natl Consumers, Arthur 1	3-5N-5E	2,621	McClosky	2,439, 2,425	28, 1	9-24-46
40	Mattoon, Giles	Hayes and Wolfe, Mayer 1	2-12N-7E	1,962	Rosiclare	1,934	22, 27	2-26-46
41	Maud North, Wabash	Thompson, E. Bruggen 1	8-1S-13W	3,207	Bethel	3,192	140	11-5-46
42	Maud North, White	Superior, H. C. Ford 27	13-5S-10E	1,896	Silurian	1,870	31, 42	4-9-46
43	Mt. Auburn, Christian	Wrather, Thompson 1	8-5S-14W	3,007	McClosky	2,935	400	8-20-46
44	New Harmony-Griffin Consol., White	McNeill, J. Eaton 1	15-15N-2W	2,943	Rosiclare	2,939	168	9-10-46
45	Newton, Jasper	Bond Co. Gas, Harwood 2	36-7N-4W	750	Pennsylvania	735	2,000,000 cu ft	12-2-46
46	Panama, Bond	Sun Oil, Okerson 1	4-2N-14W	3,114	McClosky	3,125	6, 60	9-10-46
47	Parkersburg Consol., Richland	Slagter, Fisher 1	9-7S-8E	1,852	Bethel	1,701	12, 36	4-23-46
48	Rehob, White	Bauer, Brevoort 1	10-2N-11W	3,114	Bethel	3,125	10, 36	9-10-46
49	St. Francisville East, Lawrence	Central Pipe Line, Tarpley 2	21-3N-7E	2,940	Bethel	2,934	8, 25	7-9-46
50	Sailor Springs Consol., Clay	K-B Drill, Patton 1	31-1N-14W	3,040	Bethel	2,934	70, 8	6-25-46
51	Sarnsville North, Eatards	Rudy, O. Tackett 1	11-4S-7E	3,087	Aux Vases	3,070	8, 1	2-10-46
52	Springerton, Hamilton	Pure and Carter, E. S. Munsey 1	8-2N-7E	3,087	McClosky	3,080	11, 12	9-10-46
53	Stafford South, Clay	Sinclair and Ohio, Holderby 4	4-6S-9E	3,205	Hardinsburg	2,555	169	1-15-46
54	Stokes, White	Lewis, Nibling 1	12-6S-9E	3,141	Tar Springs, Walters-	2,320, 2,251	9, 20	12-31-46
55	Storms, White	Lewis, Nibling 1	7-5S-9E	3,270	Rosiclare	3,260	146, 10	11-12-46
56	Trumbull, White	Lewis, Bingham 1	17-5S-9E	3,173	Aux Vases	3,162	65, 144	8-27-46
57	Trumbull, White	Lynn, Hippler 1	27-7N-10E	2,776	McClosky	2,668	60	4-23-46
58	Willow Hill, Jasper							

<sup>e</sup> Oil and water.

TABLE 2—(Continued)

Pool, County	Company and Farm	Location	Total Depth, Ft	Producing Formation	Depth to Top, Ft	Initial Production Bbl <sup>a</sup> ,c	Date of Completion of Discovery Well	Number of Wells Producing in Field, Dec. 31, 1946
C. Discovery Wells of Additional Producing Zones in Pools								
1 Aden South, Hamilton	Weinert, Hall 1	29-88-7E	3,446	Aux Vases	3,249	26; 80 <sup>b</sup>	6-11-46	
2 Aden South, Hamilton	Weinert, Hall 1	29-88-7E	3,446	Rosiclare	3,335	26; 80 <sup>b</sup>	6-11-46	
3 Benton, Franklin	Shell, Doty 1	25-68-2E	2,162	Degonia	1,737	72; 140 <sup>b</sup>	5-21-46	
4 Browns, Wabash	Gilliam and Aspin, H. L. Hering 1	27-18-14W	2,971	Lower O'Hara	2,965	240	11-12-46	
5 Covington East, Wayne	Tex Harvey, Marshall Smith 1	27-18-7E	3,209	Lower O'Hara	3,208	60; 10 <sup>b</sup>	10-8-46	
6 Cowling, Edwards	G. H. Wickham, Schroeder 5	27-28-14W	2,239	Tar Springs	2,229	50	7-9-46	
7 Epworth East, White	W. O. Allen, J. Williams 1	33-58-10E	3,126	Aux Vases	3,002	24; 36	9-10-46	
8 Geff, Wayne	Robinson and Puckett, Haymes 1	1-18-7E	3,188	Lower O'Hara	3,140	5 <sup>b</sup>	10-1-46	
9 Herald, White	Oil Management, J. J. Harrell 1	14-78-9E	2,972	Lower O'Hara	2,962	243	10-8-46	
10 Herald, White	Pure Oil, Austin Consol. "B" 1	34-68-9E	3,160	Rosiclare	3,005	37; 61	6-4-46	
11 Hooster, Clay	K-B Drill, Stanley 1	11-4N-7E	3,003	Rosiclare	2,842	55; 125	7-30-46	
12 Ingraham West, Clay	N. V. Duncan, Gibson 1	2-4N-7E	2,984	Rosiclare	2,894	264	5-28-46	
13 Ingraham West, Clay	Cities Service, Wyatt 5	13-5N-7E	2,946	Aux Vases	2,762	150	7-9-46	
14 Ingraham West, Clay	Kingwood, Wyatt 1	14-5N-7E	2,988	Bathel	2,680	102; 94 <sup>b</sup>	2-12-46	
15 Keeneyville, Wayne	Cities Service, Wyatt 1	13-5N-7E	2,950	Rosiclare	2,842	784	1-15-46	
16 Keeneyville, Wayne	Wiser, Keen 1	28-18-5E	3,129	Lower O'Hara	3,060	12; 50	7-9-46	
17 Markham City West, Jefferson	Brehm, Moddin 1	34-28-4E	3,092	McClosky	3,061	12; 50	5-14-46	
18 Mt. Carmel, Wabash	First Natl. Petr. Trust, Shaw-Courter 2-A	7-18-12W	1,390	Bridgeport	1,368	13	7-2-46	
19 Newton, Jasper	Menhall, James Eaton 1	13-6N-9E	2,943	Rosiclare	2,939	168	9-10-46	
20 Noble North, Richland	Pure Oil, L. A. Wasson 3	27-4N-9E	2,990	Rosiclare	2,958	60; 19	6-11-46	
21 Olney East, Richland	Texas, R. Scherer 2	23-4N-10E	3,062	Lower O'Hara	3,048	16 <sup>b</sup>	10-8-46	
22 Olney East, Richland	Texas, R. Scherer 2	23-4N-10E	3,062	Rosiclare	3,053	16 <sup>b</sup>	10-8-46	
23 Stamford South, Clay	Texas, E. Kivley 2	16-2N-7E	3,109	McClosky	3,097	33	9-10-46	
24 Stokes, White	Pure and Carter, E. S. Munsey 1	8-6S-9E	3,205	Hardinsburg	2,555	169	1-15-46	
25 Stokes-Brownsville, White	Winfrey Drill, Spence 2	17-6S-9E	2,108	Paletine	2,084	16; 40	8-20-46	
26 Storms, White	Sinclair and Ohio, Riechen 2	1-6S-9E	3,030	Aux Vases	3,014	220; 10 <sup>b</sup>	5-21-46	
27 Storms, White	Sinclair and Ohio, Aldrich 1	1-6S-9E	2,366	Tar Springs	2,354	42	4-30-46	
28 Thackeray, Hamilton	Ryford Oil, V. Johnson 3	10-58-7E	3,568	Lower O'Hara	3,459	19; 16	7-23-46	
29 Thackeray, Hamilton	Ryford Oil, V. Johnson "A" 1	10-58-7E	3,550	McClosky	3,535	128; 10	6-25-46	
30 Trumbull, White	Pure Oil, W. T. Hall 1	19-58-9E	3,158	Aux Vases	3,150	57; 13	7-30-46	
31 Trumbull, White	W. I. Lewis, Nibling 1	7-8S-9E	3,270	Rosiclare	3,260	146; 10	11-12-46	
32 Waverly, Morgan	L. M. Ladet, McMahon 1	22-13N-5W	1,543	Devonian	1,530	1,270,000 cu ft	12-17-46	
33 Willow Hill, Jasper	Secure Oil, L. Mascher 1	3-6N-10E	2,673	Rosiclare	2,661	255	12-10-46	

<sup>b</sup> Dual completion.  
<sup>c</sup> Triple completion.



TABLE 2—(Continued)

Pool, County	Company and Farm	Location	Total Depth, Ft.	Deepest Formation	Depth to Top, Ft.	Date of Completion
Bond.....	Sohio, Mohme 1	14-6N-5W	2,668	Trenton	2,608	8-13-46
Bond.....	Sohio, Long 1	26-6N-5W	2,768	Trenton	2,623	11-19-46
Castoon, Coles.....	S. H. and K. Drill, Strong 1	22-12N-7E	3,191	Devonian	3,111	8-6-46
Castoon, Coles.....	Obering, Biemer 1	26-14N-7E	2,888	Devonian	2,873	10-15-46
Castoon, Coles.....	Natl Assoc. Petr., Stifle 1	6-6N-11W	3,281	Devonian	2,878	8-20-46
Castoon, Coles.....	Natl Assoc. Petr., Handley 1	26-10N-7E	3,815	Devonian	3,670	9-17-46
Castoon, Coles.....	Natl Assoc. Petr., Krogman 3	31-9N-7E	4,000	Devonian		12-31-46
Castoon, Coles.....	Shell, Nohava 4	13-6S-5E	5,481	Devonian	5,104	12-10-46
Castoon, Coles.....	Superior, Friedrich 19	19-1S-2E	3,870	Devonian	3,737	4-9-46
Castoon, Coles.....	Minnesota Prod., McGowan 1	33-24N-5E	3,510	Trempealeau	3,260	9-3-46
Castoon, Coles.....	Jarris and Marcell, Hitz 1	8-5N-5W	2,797	Trenton	2,692	6-25-46
Castoon, Coles.....	Harvey, Kary 11	33-3N-2E	4,900	Trenton	4,769	1-15-46
Castoon, Coles.....	Ladet, McMechan 1	22-13N-8W	1,543	Trenton	1,400	12-17-46
Castoon, Coles.....	Young, McCurdy 6	20-3S-6W	2,368	Maquoketa	2,312	2-12-46

D. Selected List of Dry Tests

<sup>a</sup> Plugged back to McClosky oil.  
<sup>e</sup> Plugged back to Devonian oil.  
<sup>f</sup> Plugged back to Devonian gas.

the largest number of wells at the end of the year were in Clay, Wabash, and Wayne Counties.

The average depth of wells drilled for

north of the main area of production, and one pool, Cooks Mills North, is the northern-most Mississippian production in the state.

TABLE 3—*Completions and Production in Illinois since January 1, 1936*

Period of Time	Number of Completions <sup>a</sup>	Number of Producing Wells	Production, M Bbl		
			New Fields <sup>b</sup>	Old Fields <sup>b,c</sup>	Total <sup>d</sup>
1936	93	52			4,445
1937	449	292	2,884	4,542	7,426
1938	2,541	2,010	19,771	4,394	24,075
1939	3,675	2,970	99,908	4,004	94,912
1940	3,829	3,080	142,969	4,678	147,647
1941	3,838	2,925	128,993	5,145	134,138
1942	2,016	1,179	101,837	4,753	106,590
1943	1,792	1,087	77,581	4,675	82,256
1944	1,991	1,229	72,946	4,497	77,443
1945	1,763	1,094	70,839	4,371	75,210
1946: Jan.	154	93	5,982	412	6,394
Feb.	134	92	5,508	374	5,882
Mar.	157	97	6,015	428	6,443
Apr.	232	134	5,808	424	6,232
May	149	99	6,127	454	6,581
June	236	141	5,784	416	6,200
July	193	112	6,002	451	6,453
Aug.	182	118	5,794	443	6,237
Sept.	276	152	5,801	413	6,214
Oct.	206	112	6,084	466	6,550
Nov.	214	113	5,583	423	6,006
Dec.	229	124	5,686	419	6,105
Total	2,362	1,387 <sup>e</sup>	70,174	5,123	75,297

<sup>a</sup> Includes only oil and gas producers and dry holes.

<sup>b</sup> Production figures based on information furnished by oil companies and pipe line companies.

<sup>c</sup> Includes Devonian production at Sandoval and Bartelso.

<sup>d</sup> From the U. S. Bureau of Mines.

<sup>e</sup> Includes 17 wells previously completed as dry and abandoned.

oil or gas in the state in 1946 was 2508 ft, considerably less than the 2637-ft average in 1945.

The year 1946 opened with drilling concentrated in the Mattoon pool in Coles County, with about one third of the active operations in the state located in that pool. By the end of July, activity had begun moving back into the basin, and the year ended with drilling scattered throughout the basin and Wabash County taking the lead.

Successful development of the Mattoon pool led to a great increase in wildcat drilling north of the Illinois basin area. Of the 31 new pools discovered during 1946, four oil pools and the one gas pool are

#### PRODUCTIVE ACREAGE

The area of proved production in the new fields (discovered since 1936) increased from 189,630 acres at the end of 1945 to 201,890 acres at the end of 1946 (Table 1), an increase of 12,260 acres. Of this increase in area, 1350 acres are in fields discovered during 1946 and 10,810 acres are in developments and extensions of fields discovered earlier.

#### RESERVES

It is estimated that 53,900,000 bbl of oil reserves were found by wells drilled in Illinois in 1946. Of this amount, 11,100,000 bbl were produced during the year, leaving 42,800,000 bbl of new reserves added as of Jan. 1, 1947.

The reduction in total reserves during 1946, that is, the total production minus the new oil discovered (75,297,000-53,900,000) was thus approximately 21,400,000 bbl.

Total proved reserves as of Jan. 1, 1947, are estimated by the Illinois State Geological Survey at 501,800,000 bbl. This figure represents future recovery from existing wells by production methods now in use in each area.

This estimate is based on a recent review of production records and other pertinent data by pools. For several years reserve estimates by the Survey have been changed only with regard to new drilling, without revising older estimates of reserves proved by previous drilling. As compared with the figure of 340,000,000 bbl used in 1946, the new estimate includes a net upward revision of approximately 172,000,000 bbl, an addition of somewhat more than 10,000,000 bbl made available by extensions of secondary recovery

methods and the net reduction during 1946 of 21,400,000 bbl noted above.

#### ECONOMIC DATA

Prices for crude oil in Illinois at the beginning of 1946 were \$1.22 per barrel in the

from premium payments by the price rise of 10 cents per barrel, Nov. 15, 1946.

Preliminary figures on the amounts of the price premiums paid by the Reconstruction Finance Corporation on oil pro-

TABLE 4—Wildcat Wells Drilled in Illinois in 1946, Classified by Method of Location

Method of Location	Wildcat Near <sup>a</sup>		Wildcat Far <sup>b</sup>		Total Wildcats	Total Producers	Percentage Successful
	Total	Producers	Total	Producers			
Geology.....	296	55	252	27	548	82	15.0
Seismograph.....	4	1	1	1	5	2	40.0
Geology and seismograph.....	11	2	28	3	39	5	12.8
Nonscientific.....	311	58	281	31	592	89	15.0
Unknown.....	2	0	35	0	37	0	0.0
	1	0	3	0	4	0	0.0
Total.....	314	58	319	31	633	89	14.0

<sup>a</sup> One half mile to two miles from production.

<sup>b</sup> More than two miles from production.

old Southeastern Illinois field, and \$1.37 per barrel in the rest of the state. There were three increases in price during the year: a 10 cents per barrel increase on April 1, 25 cents on July 25, and 10 cents on November 15. The value (at the wells) of the crude oil produced in Illinois in 1946, exclusive of premium payments, is estimated to be \$116,735,000.00.

At the beginning of the year, price premiums of 20 cents, 25 cents, and 35 cents per barrel (depending upon average production per well per day by pools) were being paid by the Reconstruction Finance Corporation for crude oil produced from stripper wells in 69 pools in Illinois. These rates of premium payments continued unchanged up to July 25. As provided by congressional action the premiums were then reduced by the amount of the price rise of 25 cents per barrel, thus eliminating the premiums for the wells formerly receiving 20 and 25 cents per barrel and reducing it to 10 cents per barrel for the wells formerly receiving 35 cents per barrel. These latter wells were eliminated

duced from stripper wells in Illinois in 1946<sup>1</sup> are shown in the following table:

Premium per Bbl	Amount of Oil, Bbl	Total Premium
\$0.35	3,015,773	\$1,055,514
0.25	2,394,772	598,729
0.20	1,922,115	384,423
0.10	1,572,340	157,234
	8,905,000	\$2,195,900

The production of crude petroleum during 1946 in Illinois, amounting to 75,297,000 bbl, is 25.1 pct of runs-to-stills for refineries in the Central Refining district (Illinois, Indiana, Kentucky, Michigan, western Ohio, and Wisconsin).

Stocks of crude petroleum on hand in Illinois on Dec. 31, 1946, were 15,958,000 bbl as compared with 16,066,000 bbl on Dec. 31, 1945. Stocks of refined products in the Central Refining district on Dec. 31,

<sup>1</sup> Personal communication, Mar. 24, 1947, Erwin H. Pollack, Office of Price Administration, Washington, D.C.

TABLE 5—Summary of Drilling and Initial Production in Illinois for 1946<sup>a</sup>

County	Number of Wells Drilled in 1946			Total Initial Production		Footage Drilled in 1946	
	Total Completions	Total Producing		Oil, Bbl	Gas, Millions Cu Ft	Total	Producing Wells
		Oil	Gas				
Adams.....	1	0	0	0	0	570	0
Bond.....	12	0	1	0	2,000	20,589	753
Brown.....	1	0	0	0	0	850	0
Champaign.....	3	0	0	0	0	1,712	0
Christian.....	7	1	0	31	0	12,889	1,896
Clark.....	8	2	0	6	0	12,641	2,124
Clay.....	186	108	0	16,687	0	534,157	298,225
Clinton.....	53	22	0	431	0	72,543	25,015
Coles.....	378	299	0	35,043	0	744,669	580,646
Crawford.....	10	3	0	10	0	12,385	4,297
Cumberland.....	59	26	0	253	0	67,859	10,009
Edgar.....	7	0	2	0	.297	4,227	912
Edwards.....	65	37	0	2,477	0	196,024	107,249
Effingham.....	42	12	0	777	0	112,434	30,492
Payette.....	24	4	0	140	0	47,271	6,647
Franklin.....	10	1	0	100	0	29,762	2,970
Pulton.....	1	0	0	0	0	1,063	0
Gallatin.....	22	9	0	403	0	58,970	23,519
Hamilton.....	84	40	0	4,030	0	285,716	131,608
Jasper.....	61	26	0	4,029	0	172,812	72,566
Jefferson.....	76	46	0	5,330	0	202,135	120,570
Kankakee.....	1	0	0	0	0	264	0
Lawrence.....	51	25	0	1,260	0	86,092	41,124
McLean.....	1	0	0	0	0	3,510	0
Macon.....	2	0	0	0	0	4,933	0
Macoupin.....	4	0	0	0	0	4,436	0
Madison.....	79	54	0	5,241	0	121,464	94,101
Marion.....	48	16	0	482	0	102,287	29,722
Mason.....	1	0	0	0	0	1,360	0
Mercer.....	1	0	0	0	0	486	0
Monroe.....	1	0	0	0	0	525	0
Montgomery.....	1	0	0	0	0	2,326	0
Morgan.....	4	0	2	0	3,070	4,433	1,297
Moultrie.....	7	1	0	2	0	14,286	1,952
Perry.....	3	0	0	0	0	4,484	0
Randolph.....	2	0	0	0	0	2,494	0
Richland.....	161	93	1	21,826	1,000	507,407	296,625
St. Clair.....	8	2	0	35	0	8,106	1,315
Saline.....	10	4	0	681	0	31,692	12,615
Sangamon.....	1	0	0	0	0	918	0
Shelby.....	46	9	0	184	0	93,350	15,881
Union.....	1	0	0	0	0	1,727	0
Wabash.....	182	108	0	12,177	0	413,081	229,574
Washington.....	27	1	0	31	0	42,667	1,532
Wayne.....	312	196	0	38,620	0	985,921	610,562
White.....	315	219	0	18,643	0	892,084	590,658
Williamson.....	1	0	0	0	0	2,725	0
	2,362	1,364	6	168,929	6,367	5,924,936	3,346,546

<sup>a</sup> Does not include input wells, salt water disposal wells, or old wells worked over.

1946, according to the U.S. Bureau of Mines, were as follows:

Product	Dec. 31, 1946, Bbl	Dec. 31, 1945, Bbl
Gasoline.....	17,832,000	20,720,000
Kerosene.....	2,006,000	1,769,000
Gas, oil, and distillate fuel	6,114,000	5,773,000
Residual fuel oil.....	4,200,000	2,578,000

#### PIPE LINES

Although two major refined products lines were under construction in northern

Illinois at the end of the year, the only completed pipe line constructions during 1946 were crude oil gathering lines and very short lines connecting new fields to pre-existing systems, extension of the distributing system for natural gas within the Chicago metropolitan area, and three miles of 6-in. gas lines from Storms pool to Carmi, White County.

#### REFINERIES

No new refineries were constructed in Illinois in 1946. Two small refineries were

abandoned during the year and the total daily capacity of operating Illinois refineries on Jan. 1, 1947, was approximately 304,000 bbl of crude oil.

#### NATURAL GAS, NATURAL GASOLINE, AND LIQUEFIED PETROLEUM GAS

Approximately 21,670,000,000 cu ft of casinghead gas from Loudon, Salem, Dale-Hoodville, Benton, and New Harmony-Griffin pools plus an additional estimated 500,000,000 cu ft from the old Southeastern Illinois oil field was processed in extraction plants and yielded 109,834,000 gal liquefied petroleum gases and an estimated 51,200,000 gal of natural gasoline during 1946. Approximately eight billion cubic feet of the residue gas from these plants was injected in producing formations, 288,000,000 cu ft was marketed, less than 100,000,000 cu ft was flared, and the remaining eight or nine billion cubic feet was used as plant or lease fuel.

Gas was marketed from two gas pools, from gas wells in one oil pool and oil wells in another, and from one natural gasoline plant as noted in Table 8. Wells in a few other oil pools were operated as gas wells for lease fuel. The two gas pools, Panama and Waverly, discovered or named during 1946 have as yet no outlets, and no gas has been marketed from any of the six wells drilled during 1946 and completed as potential gas producers. The Consumer's Gas Co., Carmi, began buying gas in October 1946, from the Storms pool for residential consumption. Installations were only partially converted by the end of the year.

From rough estimates of the unmetered casinghead gas from pools without gasoline plants it appears that the amount flared has increased somewhat during 1946 above that flared during the preceding two or three years, while the amount utilized as lease fuel has remained constant or dropped somewhat. New wells, less than a year old, probably produced between 15 and 20 billion cubic feet of gas during 1946, more

than for several years, and of this new-well gas no more than 10 pct was utilized. The percentage of new-well gas utilized is unusually low because the Mattoon pool,

TABLE 6—Number of Geophysical Parties Operating

Month	Method			
	Seismograph	Gravimeter	Magnetometer	Resistivity
Jan. ....	4-6*			
Feb. ....	5-18			
Mar. ....	5-21			
Apr. ....	5-18			
May. ....	5-20			
June. ....	5-25		1-3	
July. ....	6-23		1-1	1-3
Aug. ....	6-24			1-4
Sept. ....	6-30			1-5
Oct. ....	6-24			1-4
Nov. ....	7-25	1-2		1-4
Dec. ....	8-39	1-5		1-5

\* First figure in column indicates number of crews working; second figure indicates number of work weeks completed.

which probably produced more than five billion cubic feet, is electrified and practically no gas produced here was utilized. Wells more than one year old produced another 15 to 25 billion cubic feet of unmetered casinghead gas, of which possibly 50 to 75 pct was used as lease fuel and approximately 1 pct was injected for pressure maintenance. A total gas production for the entire state of the order of 60 billion cubic feet was thus probably 60 pct utilized in some manner, and 40 pct wasted after having performed its first service of producing the state's oil.

#### SECONDARY RECOVERY

With the increasing age of the producing wells in Illinois and the downward trend in the rate of discovery of new reserves, the relative importance of secondary recovery of oil is increasing. The continued success of three major water-flooding operations, two pressure-maintenance by gas-injection operations, and numerous repressuring operations by air and gas injection are encouraging to future extensions of all these methods.

The three major water-flooding projects

TABLE 7—Fields with Wells Producing from More Than One Formation

Field	County	Total Number of Combination Wells	Number of Wells and Producing Formations <sup>a</sup>
Aden Consolidated	Wayne, Hamilton	17	17AM
Aden South	Hamilton	1	1AR
Albion Consolidated	Edwards	37	1PeBr, 1PeBrH, 3BrBi, 1BrBiB, 1BrDA, 1BrH, 2BrA, 7BiW, 1BiWTM, 1BiWRe, 1BiWAR, 1BiB, 1WC, 1WBRe, 1WBReA, 1WReA, 1WReAM, 1WL, 1CAM, 1BReA, 4BA, 1BAM, 1BM, 1ReAM, 1AM
Albion East	Edwards	3	1CAM, 1PB, 1LM
Barnhill	Wayne	1	1AM
Bennington	Edwards, Wayne	1	1LM
Benton North	Franklin	3	1PA, 1AL, 1LM
Bible Grove	Clay, Effingham	9	1CM, 8RM
Blairsville	Hamilton	3	3AM
Boos East	Jasper	2	2RM
Boos North	Jasper	4	4RM
Boyd	Jefferson	41	30BA, 2BAL
Boyleston Consolidated	Wayne	9	3AM, 1ALM, 5LM
Browns	Edwards, Wabash	5	1CB, 3CM, 1CBM
Burnt Prairie	White	4	4AM
Calhoun Consolidated	Richland, Wayne	12	12LM
Calhoun North	Richland	1	1RM
Calvin North	White	8	1BiCA, 1CA, 1CBA, 2BA, 1BAM, 1BRM, 1AR
Carmi North	White	1	1CA
Centerville East	White	2	1TC, 1TCM
Centralia	Clinton, Marion	29	29CB
Cisne	Wayne	15	4AM, 7ARM, 4RM
Clay City Consolidated	Clay, Wayne	98	1CA, 1CAM, 1CR, 6CM, 8ARM, 1ALM, 34AM, 10LM, 27RM
Coil West	Jefferson	3	1AL, 1ALM, 1LM
Concord	White	9	1TM, 1CAM, 7AM
Covington East	Wayne	1	1LM
Cowling	Edwards, Wabash	1	1CM
Dale-Hoodville Consolidated	Hamilton	56	4TC, 2TCBA, 5TA, 4CBA, 1PA, 1PAR, 35BA, 3AM, 1RM
Divide West	Jefferson	2	2RM
Dundas Consolidated	Richland, Jasper	25	1CM, 12AM, 12RM
Ellery	Edwards, Wayne	1	1AM
Flora	Clay	3	2BM, 1AM
Friendsville	Wabash	1	1LM
Friendsville South	Wabash	7	2BiPa, 3BiC, 1BiPaC, 1PaC
Geff	Wayne	2	2LR
Goldengate Consolidated	Wayne	13	1AR, 3AM, 9LM
Grayville	Edwards, White	1	1PaC
Herald	White, Gallatin	2	1TA, 1CA
Ingraham West	Clay	7	1CBM, 4CM, 1CRM, 1BM
Inman East	Gallatin	25	1PaCIWT, 5PaT, 5WT, 4CIT, 3WC, 5TC, 2HC
Inman West	Gallatin	5	5TC
Iola	Clay	35	1CPBA, 22CBA, 1BReA, 10BA, 1RM
Iron	White	4	1WT, 1TH, 1CB, 1CM
Irvington	Washington	7	6CB, 1BA
Johnsonville Consolidated	Wayne	37	2BM, 33AM, 2LM
Keensburg Consolidated	Wabash	12	2BiC, 1CP, 9CB
Keenville	Wayne	2	2LM
Kenner	Clay	1	1BA
King	Jefferson	9	8AL, 1AM
Lancaster	Wabash, Lawrence	1	1LM
Leech Township	Wayne	1	1AL
Louden	Fayette, Effingham	661	227CP, 200CPB, 10CPBA, 2CPA, 118CB, 10CBA, 2CA, 69PB, 13PBA, 2PA, 8BA
Markham City West	Jefferson	8	8AM
Mason South	Effingham, Clay	22	13BA, 1BAR, 1BAM, 1BRM, 1AM, 5RM
Mattoon	Coles	95	2CA, 82CR, 4AR, 7RM

TABLE 7—(Continued)

Field	County	Total Number of Combination Wells	Number of Wells and Producing Formations <sup>a</sup>
Maud.....	Wabash	2	1WM, 1BRM
Maunie North.....	White	4	1CB, 1PA, 2BA
Maunie South.....	White	4	2PaT, 1TC, 1CB
Mill Shoals.....	White, Hamilton, Wayne	7	3AL, 4AM
Mt. Carmel.....	Wabash	41	1PeT, 2PeC, 1BrC, 1BiW, 5BiC, 2BiB, 3BiCM, 1BiM, 2JC, 5TC, 1TB, 1JaC, 1CB, 8CM, 1LR, 2LRM, 2LM, 2RM
Mt. Erie South.....	Wayne	1	1LM
New Harmony-Griffin Consolidated....	White, Wabash	249	1PeBA, 1BiCA, 3WT, 2WTC, 2WTCB, 1WTCBA, 1WTM, 14WC, 15WCB, 13WCBA, 2WCM, 2WCAM, 3WCBAM, 1WB, 1WAM, 1WM, 3TC, 1TCP, 2TCA, 3TCBA, 1TCAM, 1TCM, 1TP, 1TA, 55CB, 46CBA, 2CBAM, 2CBM, 19CA, 7CM, 1PB, 12BA, 1BAM, 2BRM, 1BM, 12PA, 1PAR, 3CAM, 1AL, 7AM, 1RM
New Harmony South (Ind.).....	White	2	2PaD
New Haven.....	White	5	2TC, 1TM, 1CA, 1CAM
Noble.....	Richland, Clay	5	3CM, 2LM
Noble North.....	Richland	1	1CM
Olney East.....	Richland	1	1LR
Omaha.....	Gallatin	3	3PaT
Parkersburg Consolidated.....	Richland, Edwards	7	6CM, 1RM
Patton.....	Wabash	1	1RM
Patton West.....	Wabash	4	1CB, 1CL, 1CM, 1RM
Phillipstown Consolidated.....	White	25	1PeD, 1PeT, 3PeB, 1DCI, 2DT, 1DA, 3CIT, 1PM, 7BA, 2BAM, 2BM, 1RM
Roaches.....	Jefferson	1	1RM
Roaches North.....	Jefferson	1	1BR
Roland.....	White, Gallatin	30	1PeB, 1WCBA, 1WP, 1WPA, 9WB, 1WBA, 1WA, 8CB, 2CBA, 3CA, 1BM, 1ALM
Rural Hill.....	Hamilton	50	2CAL, 1PM, 12ALM, 23AM, 1AR, 9AL, 1LR, 1LM
Sailor Springs Consolidated.....	Clay	6	5TC, 1GC
Salem.....	Marion	985	567BA, 3BAMSt, 2BAMS, 4BM, 2BMS, 1AM, 1MSt, 1MStS, 315MS, 1RM, 3MDe, 2StS, 1SDe, 82DeTr
Sims.....	Wayne	9	5AM, 2ALM, 2LM
Stanford.....	Clay	2	2RM
Stokes-Brownsville.....	White	13	1TP, 1CP, 3CB, 1CA, 1HC, 1HR, 2PA, 1PLR, 2LR
Storms.....	White	2	1WT, 1WA
Thackeray.....	Hamilton	3	2AL, 1AM
Tonti.....	Marion	10	3BA, 3BAM, 2BARM, 2BM
Whittington.....	Franklin	1	1MSt
Woodlawn.....	Jefferson	5	2CB, 3BA
		2,845	

<sup>a</sup> Names of sands are indicated as follows:

Pe, Pennsylvanian	D, Degonia	H, Hardinsburg	Re, Renault	St, St. Louis
Br, Bridgeport	Cl, Clore	Ja, Jackson	A, Aux Vases	S, Salem
Bi, Biehl	W, Waltersburg	C, Cypress	L, Lower O'Hara	De, Devonian
J, Jordan	T, Tar Springs	P, Paint Creek	R, Rosiclare	Tr, Trenton
Pa, Palestine	G, Glen Dean	B, Bethel	M, McClosky	

which were begun in 1942 and 1943 had a total cumulative production due to flooding of approximately 6 million barrels of oil up to the end of 1946, of which approximately 2,600,000 bbl were produced in 1946.

TABLE 8—*Natural Gas Produced in Illinois and Marketed in 1946*

Field, County	Where Marketed	Amount Marketed, Mcf
Russellville (gas), <i>Lawrence.</i>	Illinois, Indiana, Kentucky	336,000
Ayers (gas), <i>Bond.</i> . . . .	Greenville, Ill.	16,000
Louden (gas wells), <i>Fayette.</i>	Vandalia, St. Elmo, Brownstown, Ill.	x
Louden (residue), <i>Fayette.</i>	Vandalia, St. Elmo, Brownstown, Ill.	288,000
Storms (casinghead), <i>White.</i> . . . . .	Carmi	10,000

In the Siggins pool, Cumberland County, the Forest Oil Corporation's water-flooding of the first Siggins sand affects an area of 280 acres. This operation is successful and is being expanded in the same area so that at the end of 1946 an additional 200 acres was in the first stages of being flooded and 200 more acres in the planning stage. Immediately to the east of this area, the Pure Oil Co. is conducting a flooding operation in the Siggins pool that is expected to show results before the middle of 1947.

The flooding of the McClosky lime in Clay, Jasper, Wayne, and Richland Counties, started by the Pure Oil Co. in 1942, is continuing unabated. At the end of 1946 there were approximately 40 separate floods affecting 5500 acres in the above-mentioned counties. Existing wells are converted to water input wells by perforating an upper sand and allowing the brine to flow by gravity into the producing "sand."

Conversion of the Patoka pool (Marion County) to water-flooding started in 1943, was completed during 1946. There are 550 acres under flood in this pool with 50 input wells in the Bethel sand now taking water.

Pressure maintenance and gas and air repressuring have been continued in all of the fields where they were in operation in

1945. These include operations at Louden, Salem, Rural Hill, Dale-Hoodville, and many scattered gas and air repressuring projects in Crawford and Lawrence Counties. New repressuring projects were few during 1946 and most of those started were in the old Southeastern Illinois oil field.

The two pressure-maintenance projects in the state, Louden and New Harmony-Griffin Consolidated, continued in operation, and although it is impossible to determine the amount of increased oil recovery for this kind of operation, the low-pressure decline rates which have been attained are an indication of its success. In addition to pressure maintenance in New Harmony-Griffin Consolidated, one operator is also experimenting with a simultaneous water-flood which, as yet, has shown no results, probably because it is still in its early stages of development.

#### OUTLOOK FOR 1947

Drilling during 1947 will probably decline from the high level of 1946 but will probably surpass that of 1945. The present higher prices for crude oil and the expiration of additional 10-year leases during the year both favor a continued high rate of wildcat drilling. There is considerable interest in the possibility of finding additional oil-bearing reef structures of the type now productive in the Marine pool in Madison County. Plans have been announced for testing the pre-St. Peter Ordovician and Cambrian strata on the Pittsfield-Hadley anticline in Pike County in western Illinois.

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## FOOTNOTES TO COLUMN HEADINGS

## TABLE I

<sup>a</sup> All fields to be listed alphabetically and if by counties the latter also in alphabetical order. If the field is a gas field, or is primarily a gas-producing field, indicate by asterisk immediately after the name of the field, as, for example, Katy, \* *Waller*.

<sup>b, d</sup> Total area in surface acres in the field proved for production.

<sup>c</sup> Total production barrels of oil and/or distillate or condensate; and show by footnote, where possible, the amount of distillate or condensate production.

<sup>e</sup> Volume of gas produced from the field and not returned to the reservoir.

<sup>f</sup> Include all original completions, but exclude workovers and wells deepened or plugged back. *Abandoned* refers only to wells abandoned after having produced oil and/or gas and is not to include wells abandoned without having secured production.

<sup>g</sup> A well producing both oil and gas is classified as an oil well, unless it has been designated as a gas well by the State regulatory agency. Gas wells are wells producing gas only, wells producing condensate or distillate, and wells producing some oil but classified as gas wells by the State regulatory agency.

<sup>h</sup> Show type of operation as indicated by the following symbols: P, pressure maintenance; G, gas injection; W, water injection; C, cycling, U, unit operation.

<sup>i</sup> Show weighted average gravity A.P.I. at 60°F. as oil is delivered to the pipe lines, and percentage of sulphur, if any, in the oil. Where oils from more than one stratum are commingled and delivered into the pipe line at a gravity of 26 to 26.9, show as 26°, etc.

<sup>j</sup> Show name of producing formation, and show its age by abbreviation as follows: Cam, Cambrian; Ord, Ordovician; Sil, Silurian; Dev, Devonian; Mis, Mississippian; MisL, Lower Mississippian; MisU, Upper Mississippian;

Pen, Pennsylvanian; Per, Permian; Tri, Triassic; Jur, Jurassic; CreL, Lower Cretaceous; CreU, Upper Cretaceous; Eoc, Eocene; Olig, Oligocene; Mio, Miocene; Pli, Pliocene.

<sup>k</sup> Show character of formation by code letter as follows: A, anhydrite; C, chalk; Cg, conglomerate; Ch, chert; CR, cap rock; D, dolomite; Da, arkosic dolomite; Gw, granite wash; Sh, shale; L, limestone; LS, limestone, sandy; OL, oölitic limestone; S, sandstone.

<sup>l</sup> Figures represent ratio of pore space to total volume of net reservoir rock expressed in per cent. P indicates reservoir rock is of porous type, but ratio is not known by the author. Cav indicates that the reservoir rock is of cavernous type; and Fis, fissure type.

<sup>m</sup> Show actual depth to top of producing stratum. If producing zone is a series of interbedded sands and shales, and the sands are all productive or capable of producing, show the depth to top of top sand member.

<sup>n</sup> Show actual average thickness that is producing or known to be productive. If, for example, average thickness of productive zone above water level is 50 feet, show 50 feet, even though wells are completed in only upper 10 or 15 feet of zone.

<sup>o</sup> A, anticlinal; AF, anticlinal with faulting as important factor; Af, anticlinal with faulting as minor factor; AM, accumulation due to both anticlinal and monocline structure; D, dome; DS, salt dome; H, strata are horizontal or nearly horizontal; MC, monocline with accumulation due to change in character of stratum; MF, monocline-fault; MI, monocline with accumulation against igneous barrier; ML, monocline-lens; MU, monocline-unconformity; MP, monocline with accumulation due to sealing at outcrop by asphalt; N, nose; S, syncline; T, terrace; TF, terrace with faulting as important factor.

<sup>p</sup> Show name of deepest stratigraphic zone tested and total depth of well which tested such zone, whether it is deepest well in field or not.

*x Correct entry not determinable.*